DISPLAY AUDIO SYSTEM
OWNER'S MANUAL

TOYOTA

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Introduction

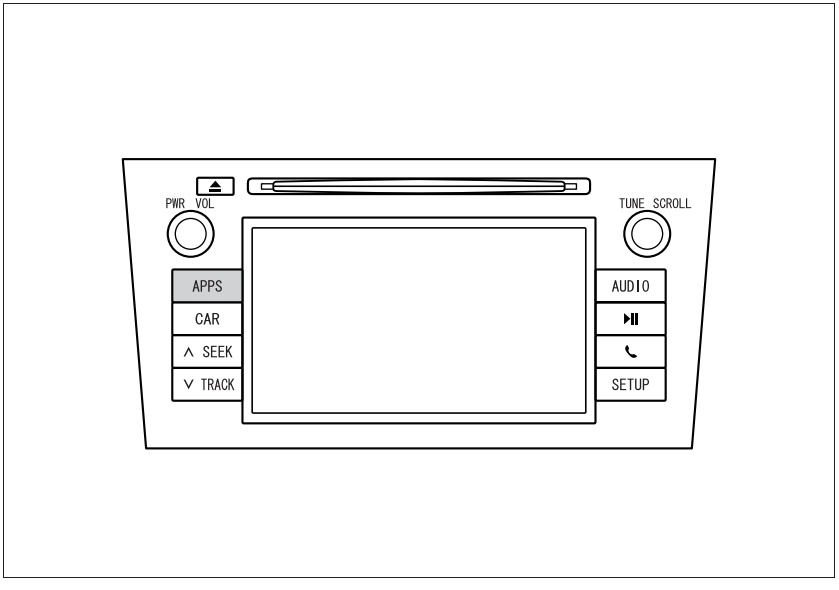
CONFIRMING DISPLAY AUDIO MODEL

This manual is made up of 2 sections.
The first describing available functions for models without navigation capabilities (WITHOUT NAVIGATION) such as audio and hands-free.
The second describing available functions for models with navigation capabilities (WITH NAVIGATION) such as navigation, audio, and hands-free.
For models that do not have navigation capabilities, refer to the “WITHOUT NAVIGATION” section. For models that have navigation capabilities, refer to the “WITH NAVIGATION” section.

Navigation capabilities	Reference
Not installed	WITHOUT NAVIGATION (1ST SECTION only)
Installed	WITH NAVIGATION (2ND SECTION only)

EXISTENCE OF NAVIGATION CAPABILITIES

Existence of navigation capabilities can be confirmed by performing the following:



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *“Owner’s Manual”*.

1 When the ignition switch is turned to the “ACC” or “ON” position, the initial screen will be displayed and the system will begin operating.

2 Press the “APPS” button.

- If your system does not have the “APPS” button, the Display Audio system does not have navigation capabilities, refer to the “WITHOUT NAVIGATION” section.

If this screen is displayed, the Display Audio system has navigation capabilities.

COMMON ILLUSTRATIONS FOR ALL VEHICLE MODELS

In this manual, illustrations showing the typical Display Audio system layout, USB port and rear view camera location, etc. has been used. The actual design and button position may differ depending on the vehicles. For the correct location of these items, please refer to vehicle *“Owner’s Manual”*.

ENGINE SWITCH NAMES AND MODES

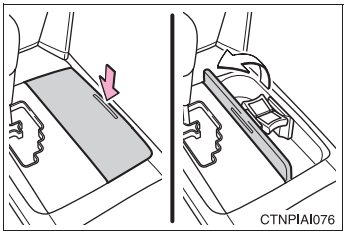
This manual has been written using a vehicle with a gasoline engine vehicle (without a smart entry and start system) as an example. For vehicles with a smart entry and start system and hybrid vehicles, please refer to the following table to confirm the engine switch name and mode.

Vehicle system	Switch name and mode			
Vehicles without a smart key system	Engine switch	ACC	ON	OFF (LOCK)
Vehicles with a smart key system	“ENGINE START STOP” switch	ACCESSORY	IGNITION ON	OFF
Hybrid vehicles	“POWER” switch	ACCESSORY	ON	OFF

SYMBOLS USED IN ILLUSTRATIONS

Safety symbol

The symbol of a circle with a slash through it means “Do not”, “Do not do this”, or “Do not let this happen”.

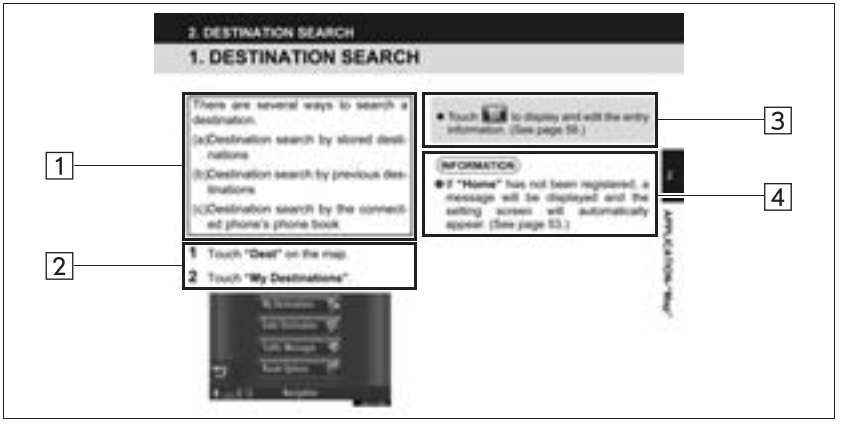


Arrows indicating operations

Indicates the action (pushing, turning, etc.) used to operate switches and other devices.

Indicates the outcome of an operation (e.g. a lid opens).

HOW TO READ THIS MANUAL



No.	Name	Description
1	Operational Outlines	An outline of the operation is explained.
2	Main Operations	The steps of an operation are explained.
3	Related Operations	A main operation’s supplementary operations are described.
4	Information	Useful information for the user is described.

WITHOUT NAVIGATION (1ST SECTION)

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Introduction

This manual explains the operation of the Display Audio system. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The screen shots in this document and the actual screens of the Display Audio system differ depending on whether the functions and/or a contract existed at the time of producing this document.

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IMPORTANT INFORMATION ABOUT THIS MANUAL

For safety reasons, this manual indicates items requiring particular attention with the following marks.

CAUTION

- This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

NOTICE

- This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.

SAFETY INSTRUCTION

To use this system in the safest possible manner, follow all the safety tips shown below.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire Display Audio system Owner's manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed.

CAUTION

- For safety, the driver should not operate the Display Audio system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.

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QUICK GUIDE

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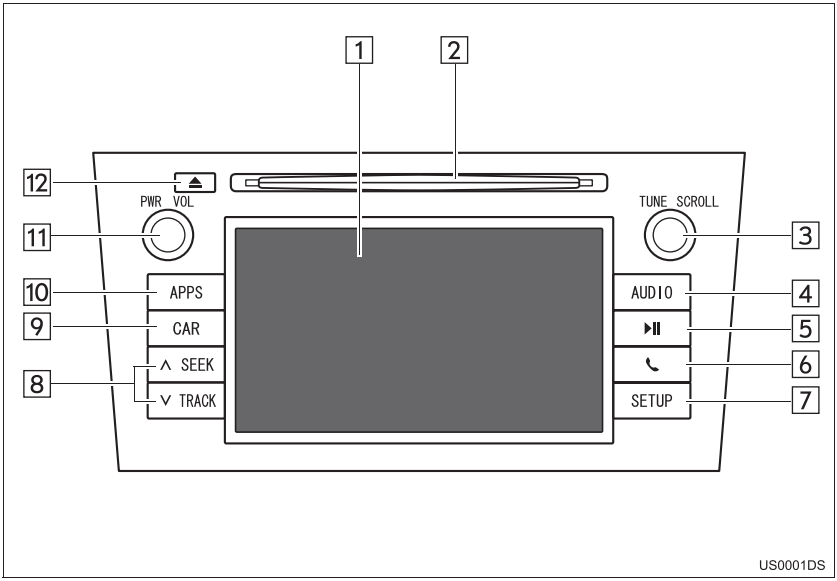
1. OVERVIEW BUTTONS



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

No.	Name	Function	Page
1	Touch screen display	By touching the screen with your finger, you can control the selected functions.	11
2	Disc slot	Insert a disc into this slot. The CD player turns on immediately.	34
3	"TUNE/SCROLL" knob	Turn this knob to select radio station bands, tracks and files. Also, the knob can be used for selection from the list display.	16
4	"AUDIO" button	Press this button to access the audio system. The audio system turns on in the last mode used.	14, 16, 17
5	⏯ button*	Press this button to pause or resume playing the music.	—
6	📞 button	Press this button to access the Bluetooth® hands-free system.	68
7	"SETUP" button	Press this button to customize the function settings.	92
8	"SEEK/TRACK" button	Press the "∧" or "∨" button to seek up or down for a radio station, or to access a desired track or file.	21, 24, 31, 36, 37, 41, 44, 54

No.	Name	Function	Page
9	“CAR” button*	Press this button to access the vehicle information system.	86
10	“APPS” button*	This button is used for an add-on external navigation system. (If equipped)	—
11	“PWR/VOL” knob	Press this knob to turn the audio system on and off, and turn it to adjust the volume.	16
12	⏏ button	Press this button to eject a disc.	34

*: If equipped

2. SYSTEM FUNCTION INDEX

AUDIO SYSTEM

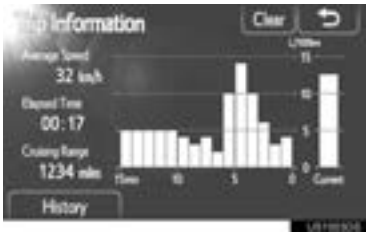
To access the audio system, press the **"AUDIO"** button. The audio control screen will be displayed. Audio sources: Radio, CDs, iPod, USB, AUX and Bluetooth® audio. For details, see pages 13.

Bluetooth® HANDS-FREE SYSTEM

To access the Bluetooth® hands-free system, press the button. The driver can make or receive phone calls without taking their hands off the steering wheel. For details, see pages 67.

VEHICLE INFORMATION (IF EQUIPPED)

To access the vehicle information system, press the **"CAR"** button. Fuel consumption and tire pressure can be checked. For details, see pages 85.

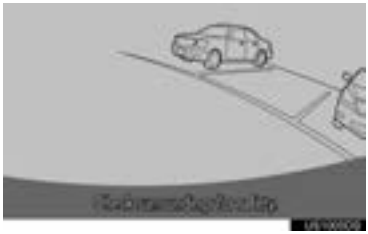


SETUP

To customize the function settings, press the **"SETUP"** button. The interface language can also be changed from the setup menu. Function not available on all models. For details, see pages 91.

REAR VIEW MONITOR SYSTEM (IF EQUIPPED)

Shifting into the "R" position will automatically show the view behind the rear of the vehicle on the display screen. For details, see page 119.



3. TOUCH SCREEN OPERATION

This system is operated mainly by the screen buttons.

- When a screen button is touched, a beep sounds. (To set a beep sound, see page 93.)

NOTICE

- To prevent damaging the screen, lightly touch the screen buttons with your finger.
- Do not use objects other than your finger to touch the screen.
- Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the screen, as they may damage the touch screen.
- To prevent the 12-volt battery from being discharged, do not leave the system on longer than necessary when the engine is not running (hybrid vehicles: the hybrid system is off).

INFORMATION

- If the system does not respond to a touch on a screen button, move your finger away from the screen and then touch it again.
- Dimmed screen buttons cannot be operated.
- The displayed image may become darker and moving images may be slightly distorted when the display is cold.
- Under extremely cold conditions, the screen may not be displayed and the data input by a user may be deleted. Also, the screen buttons may be harder than usual to depress.
- When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings (See “DISPLAY SETTINGS” on page 96.), or take off your sunglasses.

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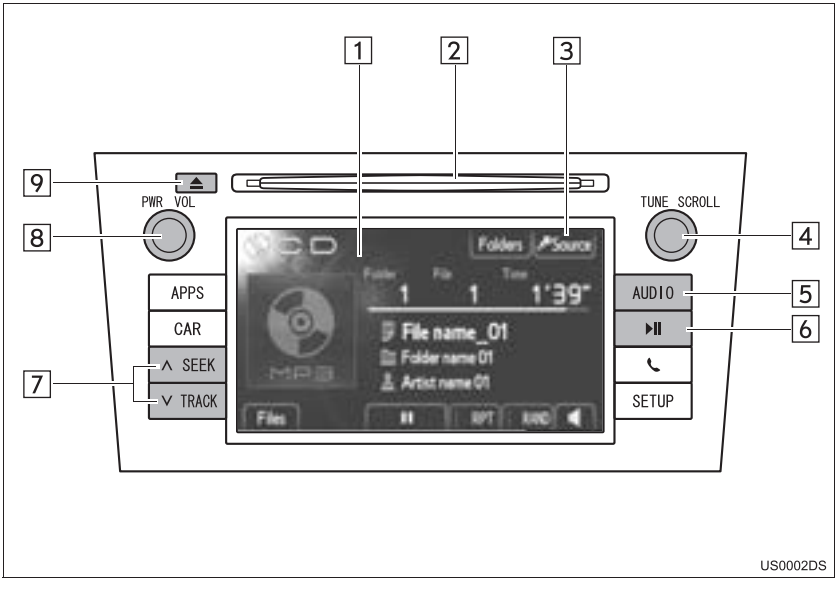
1. QUICK REFERENCE

To access the audio system, press the **"AUDIO"** button. The audio system turns on in the last mode used.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

No.	Name	Function	Page
1	Audio control screen	A selected audio source is displayed, and it can be operated with the touch screen controls.	—
2	Disc slot	Insert a disc into this slot. The CD player turns on immediately.	34
3	"Source"	Touch to select your desired audio sources. The audio source selection screen will be displayed.	17
4	"TUNE/SCROLL" knob	Turn to select radio station bands, tracks and files. Also, the knob can be used for selection from the list display.	16
5	"AUDIO" button	Press to display the audio control screen. The audio system turns on in the last mode used.	16, 17
6	⏯ button*	Press to pause or resume playing the music.	—
7	"SEEK/TRACK" button	Press the "∧" or "∨" button to seek up or down for a station, or to access a desired track or file.	21, 24, 31, 36, 37, 41, 44, 54

No.	Name	Function	Page
8	“PWR/VOL” knob	Press to turn the audio system on and off, and turn to adjust the volume.	16
9	⏏ button	Press to eject a disc.	34

*: If equipped

2. SOME BASICS

This section describes some of the basic features of the audio system. Some information may not pertain to your system.

Your audio system works when the engine switch is turned to the “ACC” or “ON” position.

CAUTION

- For vehicles sold in U.S.A. and Canada:

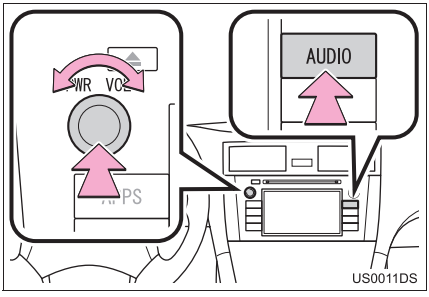
  Part 15 of the FCC Rules

  FCC Warning: Changes or modifications in construction not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. Radio frequency exposure. This device is approved for Mobile Application only and, to comply with applicable FCC radio frequency exposure regulations, must be used with a distance of at least 7.9 in. (20 cm) between the antenna and the body of any person at all time during use.
- Laser products
  - Do not take this unit apart or attempt to make any changes yourself. This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.
  - This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTICE

- To prevent the 12-volt battery from being discharged, do not leave the audio system on longer than necessary when the engine is not running (hybrid vehicles: the hybrid system is off).

TURNING THE AUDIO SYSTEM ON OR OFF



“AUDIO” button: Press this button to display screen buttons for the audio system.

“PWR/VOL” knob: Press this knob to turn the audio system on and off. Turn this knob to adjust the volume. The system turns on in the last mode used.

INFORMATION

- If the volume is adjusted while music is paused or muted, the pause or mute will be cancelled.

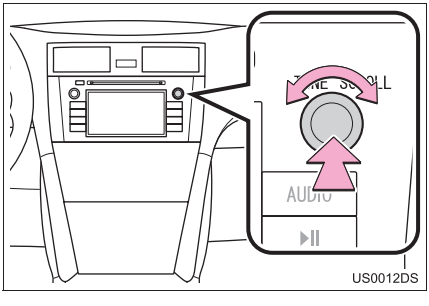
CONTROLS USING THE “TUNE/SCROLL” KNOB

▶Radio mode

Radio stations can be tuned in manually using this knob.

▶Modes other than radio

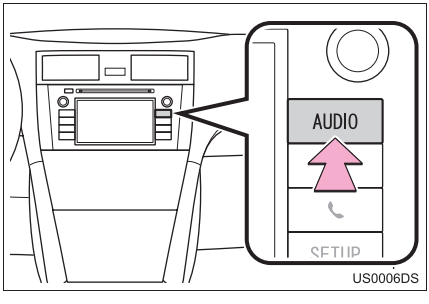
Tracks or files can be selected using the knob.



▶When a list is displayed
When a list is displayed on the screen, turn the **"TUNE/SCROLL"** knob to move the cursor box to select a desired item from the list, and pressing the knob will play it. The track that is being played is highlighted.

SWITCHING AUDIO SOURCE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch a desired audio source.

- If a desired source is not displayed on the screen, touch or to scroll to it.
- Touching the **"ALL"** will change the list style as follows.

INFORMATION

- You cannot select dimmed screen buttons. Connect the audio device before selecting.

DSP CONTROL

1 Press the **"AUDIO"** button.

2 Touch .

3 Touch the **"DSP"** tab to display this screen.

▶Without JBL sound system

▶With JBL sound system

4 Touch the desired screen button.

AUTOMATIC SOUND LEVELIZER (ASL)

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise.

▶Without JBL sound system

1 Touch **"High"**, **"Mid"** or **"Low"** of "Automatic Sound Levelizer".

2 Touch **"OK"**.

▶With JBL sound system

1 Touch **"On"** of "Automatic Sound Levelizer".

2 Touch **"OK"**.

SURROUND FUNCTION (IF EQUIPPED)

1 Touch **"On"** of "Surround".

2 Touch **"OK"**.

TONE AND BALANCE

TONE

How good an audio program sounds is largely determined by the mix of the treble, mid and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid and bass.

BALANCE

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that when listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of one group of sounds while decreasing the volume of another.

1 Press the **"AUDIO"** button.

2 Touch .

3 Touch the **"Sound"** tab to display this screen.

4 Touch the desired screen button.

"Treble" "+" or "-": To adjust high-pitched tones.

"Mid" "+" or "-": To adjust mid-pitched tones.

"Bass" "+" or "-": To adjust low-pitched tones.

"Front" or "Rear": To adjust the sound balance between the front and rear speakers.

"L" or "R": To adjust the sound balance between the left and right speakers.

5 Touch **"OK"**.

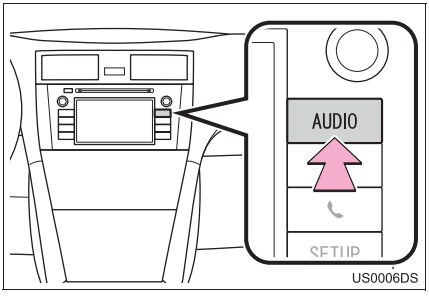
INFORMATION

- The tone of each mode (such as AM, FM and CD player) can be adjusted.

3. RADIO OPERATION (WITH Display Audio SYSTEM)

SWITCHING TO RADIO MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"AM"** or **"FM"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

PRESETTING A STATION

1 Tune in the desired station.

2 Touch one of the left side screen buttons **(1-6)** and hold it until a beep is heard. This sets the preset frequency to the screen button. The station's frequency will be displayed in the screen button.

- To change the preset station to a different one, follow the same procedure.
- Touch « or » to change the preset page.

SELECTING A STATION

Tune in the desired station using one of the following methods.

Preset tuning: Touch one of the preset channels on the left side of the screen to select the desired station. The screen button is highlighted and the station frequency appears on the screen.

Manual tuning: Search for a desired radio station by turning the **"TUNE/SCROLL"** knob.

Seek tuning: Press the "∧" or "∨" button of **"SEEK/TRACK"**. The radio will begin seeking up or down for a station of the nearest frequency and will stop when a station is found. Each time the button is pressed, the stations will be searched automatically one after another.

To scan all the frequencies: Touch **"SCAN"**. "SCAN" will appear on the screen. The radio will find the next station and stay there for a few seconds, and then scan again. To stay tuned to a station and stop the scanning, touch **"SCAN"** again.

RADIO BROADCAST DATA SYSTEM

This audio system is equipped with Radio Broadcast Data Systems (RBDS). RBDS mode allows text messages to be received from radio stations that utilize RBDS transmitters.

When RBDS is on, the radio can
— only select stations of a particular program type,
— display messages from radio stations,
— search for a stronger signal station.
RBDS features are available only when listening to an FM station that broadcasts RBDS information and the **"FM info"** indicator is on.

SELECTING A DESIRED TYPE

1 Touch **"Options"**.

2 Touch **"TYPE >"** or **"< TYPE"** to move forward and backward through the program list.

- Once a program type has been set, "TYPE SEEK" will appear on the screen.
- The program list is in the following order:
  - Classical
  - Country
  - EasyLis (Easy Listening)
  - Inform (Information)
  - Jazz
  - News
  - Oldies
  - Other
  - Pop Music
  - Religion
  - Rock
  - R&B (Rhythm and Blues)
  - Sports
  - Talk
  - Alert (Emergency Alert)

3 Touch **"TYPE SEEK"** and the system will start to seek for stations in the relevant program type.

INFORMATION

- If no relevant program can be found, "no type" will appear on the screen.

TRAFFIC ANNOUNCEMENT

A station that regularly broadcasts traffic information is automatically located.

"Traffic": Touch to seek a traffic program station. "TRAF SEEK" will appear on the screen.

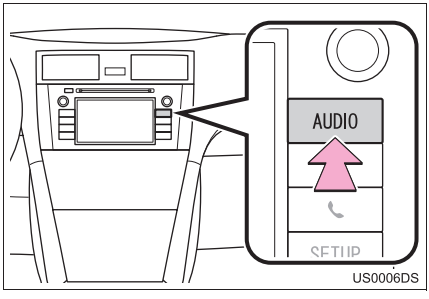
INFORMATION

- If no traffic program station is found, "No Traffic" will appear on the screen.
- If a traffic program station is found, the name of the traffic program station will be displayed for a while.

4. RADIO OPERATION (WITH Premium Display Audio SYSTEM)

SWITCHING TO RADIO MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"AM"** or **"FM"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

PRESETTING A STATION

Radio mode has a mix preset function, which can store up to 36 stations (6 station per page × 6 page) from any of the AM, FM or SAT bands.

1 Tune in the desired station.

2 Touch one of the left side screen buttons **(1-6)** and hold it until a beep is heard. This sets the frequency to the screen button. The station's frequency will be displayed in the screen button.

- To change the preset station to a different one, follow the same procedure.
- Touch or to change the preset page.

SELECTING A STATION

Tune in the desired station using one of the following methods.

Preset tuning: Touch one of the mix preset channels on the left side of the screen to select the desired station. The screen button is highlighted and the station frequency appears on the screen.

Manual tuning: Search for a desired radio station by turning the **"TUNE/SCROLL"** knob.

Seek tuning: Press the "∧" or "∨" button of **"SEEK/TRACK"**. The radio will begin seeking up or down for a station of the nearest frequency and will stop when a station is found. Each time the button is pressed, the stations will be searched automatically one after another.

To scan all the frequencies: Touch **"SCAN"**. "SCAN" will appear on the screen. The radio will find the next station and stay there for 10 seconds if **"All"** or **"HD Only"** is selected, or 5 seconds if **"Analog"** is selected, and then scan again. To stay tuned to a station and stop the scanning, touch **"SCAN"** again. (To set the HD Radio™ system, see page 116.)

RADIO BROADCAST DATA SYSTEM

This audio system is equipped with Radio Broadcast Data Systems (RBDS). RBDS mode allows text messages to be received from radio stations that utilize RBDS transmitters.

When RBDS is on, the radio can
— only select stations of a particular program type,
— display messages from radio stations,
— search for a stronger signal station.
RBDS features are available only when listening to an FM station that broadcasts RBDS information and the "FM info" indicator is on.

SELECTING A DESIRED TYPE

1 Touch **"Options"**.

2 Touch **"TYPE >"** or **"< TYPE"** to move forward and backward through the program list.

- Once a program type has been set, "TYPE SEEK" will appear on the screen.
- The program list is in the following order:
  - Classical
  - Country
  - EasyLis (Easy Listening)
  - Inform (Information)
  - Jazz
  - News
  - Oldies
  - Other
  - Pop Music
  - Religion
  - Rock
  - R&B (Rhythm and Blues)
  - Sports
  - Talk
  - Traffic (Not available when "HD Radio™ Settings" are set to analog)
  - Alert (Emergency Alert)

3 Touch **"TYPE SEEK"** and the system will start to seek for stations in the relevant program type.

INFORMATION

- If no relevant program can be found, "no type" will appear on the screen.

TRAFFIC ANNOUNCEMENT

A station that regularly broadcasts traffic information is automatically located.

"Traffic": Touch to seek a traffic program station. "TRAF SEEK" will appear on the screen.

INFORMATION

- If no traffic program station is found, "No Traffic" will appear on the screen.
- If a traffic program station is found, the name of the traffic program station will be displayed for a while.

USING HD Radio™ TECHNOLOGY

HD Radio™ Technology is the digital evolution of analog AM/FM radio. Your radio product has a special receiver which allows it to receive digital broadcasts (where available) in addition to the analog broadcasts it already receives. Digital broadcasts have better sound quality than analog broadcasts as digital broadcasts provide free, crystal clear audio with no static or distortion. For more information, and a guide to available radio stations and programming, refer to www.hdradio.com.

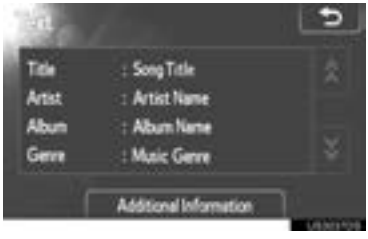
1 Touch **"HD Radio"** to turn the indicator on.

- As a user works through the analog radio stations, (where applicable) the radio receiver will automatically tune from an analog signal to a digital signal within 5 seconds.
- An orange "HD)" logo indicator will be displayed on the screen when in digital. The "HD)" logo will first appear in a gray color indicating the station is indeed (an analog and) a digital station. Once the digital signal is acquired, the logo will change to a bright orange color.

INFORMATION

1 Touch **"Text"**.

2 Information such as the artist name, song title, album title and music genre being listened to are displayed on the text screen.



- To display messages from the station, touch **"Additional Information"**.

MULTICAST

On the FM radio frequency most digital stations have "multiple" or supplemental programs on the FM station.

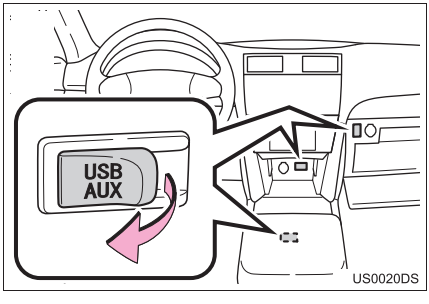
1 Touch **"Multicast"**.

- Each time **"Multicast"** is touched, the supplemental program changes.
- If **"Multicast"** is touched when tuned to the last of the supplemental programs, the main program will be returned to.

TAG

1 Touch **"Tag"** to bookmark the music information.

2 Open the cover and connect iPod using an iPod cable.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Turn on the power of the iPod if it is not turned on.
- Once an iPod is connected, the music tag moves from the radio into the iPod.
- When the iPod is connected to iTunes, the "tagged" information of the songs which were tagged while listening to the radio can be viewed. Then a user may decide to purchase the song or CD/Album which has been listened to on their radio.

INFORMATION

- If tagging the music information fails, "Saving the HD Radio tag failed." will be displayed on the screen. If this occurs, tag the information again.
- HD Radio™ stations can be preset.

TROUBLESHOOTING GUIDE

Experience	Cause	Action
Mismatch of time alignment a users may hear a short period of programming replayed or an echo, stutter or skip.	The radio stations analog and digital volume is not properly aligned or the station is in ballgame mode.	None, radio broadcast issue. A user can contact the radio station.
Sound fades, blending in and out.	Radio is shifting between analog and digital audio.	Reception issue, may clear-up as the vehicle continues to be driven. Touching **"HD Radio"** with the indicator off can force radio in an analog audio.
Audio mute condition when an HD2/HD3 multicast channel has been playing.	The radio does not have access to digital signals at the moment.	This is normal behavior, wait until the digital signal returns. If out of the coverage area, seek a new station.
Audio mute delay when selecting an HD2/HD3 multicast channel preset.	The digital multicast content is not available until HD Radio™ broadcast can be decoded and make the audio available. This takes up to 7 seconds.	This is normal behavior, wait for the audio to become available.
Text information does not match the present song audio.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; www.ibiquity.com/automotive/report_radio_station_experiences.
No text information shown for the present selected frequency.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; www.ibiquity.com/automotive/report_radio_station_experiences.

HD Radio®

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5. RADIO OPERATION (XM® Satellite Radio BROADCAST)*

HOW TO SUBSCRIBE TO AN XM® Satellite Radio

To listen to a satellite radio broadcast in the vehicle, a subscription to the XM® Satellite Radio service is necessary.

An XM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous U.S. states and some Canadian provinces.

HOW TO SUBSCRIBE

It is necessary to enter into a separate service agreement with XM® Satellite Radio in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and digital satellite tuner.

- For complete information on subscription rates and terms, or to subscribe to XM® Satellite Radio:

▶U.S.A.
Refer to www.siriusxm.com or call 1-800-967-2346.

▶Canada
Refer to www.xmradio.ca or call 1-877-209-0079.

INFORMATION

- XM® Satellite Radio is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the XM® Satellite Radio customer service agreement.
- Customers should have their radio ID ready; the radio ID can be found by tuning to “channel 000” on the radio. For details, see “DISPLAYING THE RADIO ID” below.
- All fees and programming are the responsibility of XM® Satellite Radio and are subject to change.

SATELLITE TUNER TECHNOLOGY NOTICE

Toyota’s satellite radio tuners are awarded Type Approval Certificates from XM® Satellite Radio Inc. as proof of compatibility with the services offered by XM® Satellite Radio.

DISPLAYING THE RADIO ID

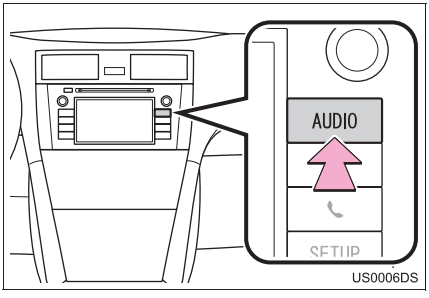
Each XM® tuner is identified with a unique radio ID. The radio ID is required when activating an XM® service or when reporting a problem.

- If “CH 000” is selected using the **“TUNE/SCROLL”** knob, the ID code, which is 8 alphanumeric characters, will be displayed. If another channel is selected, the ID code will no longer be displayed. The channel (000) displays the radio ID and the specific radio code.

*: If equipped

SWITCHING TO SATELLITE RADIO MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"SAT"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

CHANNEL CATEGORY

1 Touch **"Options"**.

2 Touch either **"TYPE >"** or **"< TYPE"** to go to the next or previous category.

PRESETTING A CHANNEL

1 Tune in the desired channel.

2 Touch one of the left side screen buttons **(1-6)** and hold it until a beep is heard. This sets the preset frequency to the screen button. The Channel number will be displayed in the screen button.

- To change the preset channel to a different one, follow the same procedure.

SELECTING A CHANNEL

Tune in the desired channel using one of the following methods.

Preset tuning: Touch the channel selector screen button **(1-6)** to listen to the desired channel. The selected screen button **(1-6)** is highlighted and its related information appears on the right side of the screen.

Manual tuning: Turn the **"TUNE/SCROLL"** knob to select the next or previous channel. Turning the knob quickly allows rapid scrolling through the channel list.

To select a channel within the current category: Press the "∧" or "∨" button of **"SEEK/TRACK"**. The radio will change up or down to a channel within the current channel category.

To scan the currently selected channel category: Touch **"SCAN"**. "SCAN" appears on the screen. The radio will find the next channel in the same channel category, stay there for a few seconds, and then scan again. To select a channel, touch **"SCAN"** again.

DISPLAYING THE TITLE AND NAME

1 Touching **"Text"** displays the artist name and song title you are currently listening to.

INFORMATION

- Up to 64 alphanumeric characters can be displayed. (Some information will not be fully displayed.)

IF THE SATELLITE RADIO TUNER MALFUNCTIONS

When problems occur with the XM® tuner, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

Message	Explanation
Check Antenna	The XM® antenna is not connected. Check whether the XM® antenna cable is attached securely.
	A short circuit occurs in the antenna or the surrounding antenna cable. See a Toyota certified dealer for assistance.
Ch Unauthorized	You have not subscribed to XM® Satellite Radio. The radio is being updated with the latest encryption code. Contact XM® Satellite Radio for subscription information. When a contract is canceled, you can choose “CH000” and all free-to-air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel. To listen to the premium channel, contact XM® Satellite Radio.
No Signal	The XM® signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
Loading	The unit is acquiring audio or program information. Wait until the unit has received the information.
Channel Off Air	The channel you selected is not broadcasting any programming. Select another channel.
-----	There is no song/program title or artist name/feature associated with the channel at that time. No action is required.
Chan Unavailable	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

INFORMATION

- Contact the XM® Listener Care Center at 1-800-967-2346 (U.S.A.) or 1-877-209-0079 (Canada).

NOTICE

- This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Information to user
  - Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

INFORMATION

- This XM® tuner supports "Audio Services" (Music and Talk) of only XM® Satellite Radio and "Text Information*" linked to the respective "Audio Services".
  *: Text Information includes, Station Name, (Artist) Name, (Song) Title and Category Name.

6. CD PLAYER OPERATION

The CD player can play audio CDs, CD text and MP3/WMA discs.

(a)Audio CD, CD text (See page 35.)

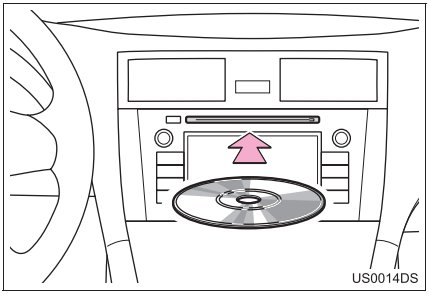
(b)MP3/WMA disc (See page 37.)

For appropriate discs for this player, see “AUDIO SYSTEM OPERATING HINTS” on page 60.

INSERTING OR EJECTING A DISC

INSERTING A DISC

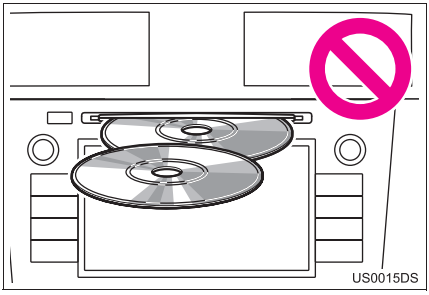
1 Insert a disc with the label side up.



- When a disc is correctly inserted into the slot, the CD player will automatically start playing from the first track or the first file of the first folder on a disc.

INFORMATION

- If the label is facing down, “Check DISC” will appear on the screen.
- The player is intended for use with 4.7 in. (12 cm) discs only. To play 3 in. (8 cm) discs, use an adaptor.

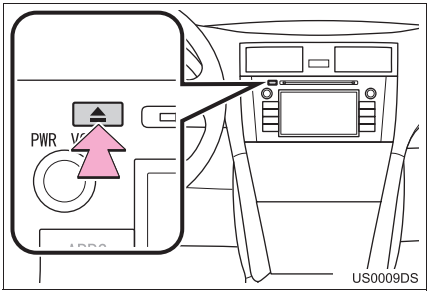


NOTICE

- Do not stack up two discs for insertion, or it will cause damage to the CD player. Insert only one disc into the slot at a time.
- Never try to disassemble or oil any part of the CD player. Do not insert anything other than a disc into the slot.

EJECTING A DISC

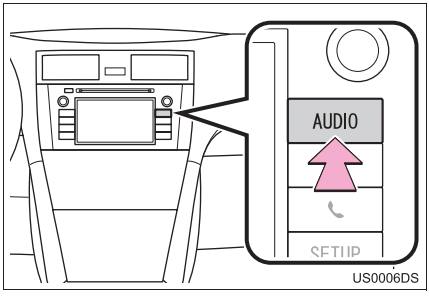
1 Press the ⏏ button.



- The disc will be ejected.

SWITCHING TO CD MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"CD"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

INFORMATION

- If no disc is in the slot, **"CD"** cannot be selected. Insert a disc into the slot.

PLAYING AN AUDIO CD

- If a CD-TEXT disc is inserted, the title of the track and disc currently being played will be displayed.

: Touch to pause the track.

: Touch to resume playing the track.

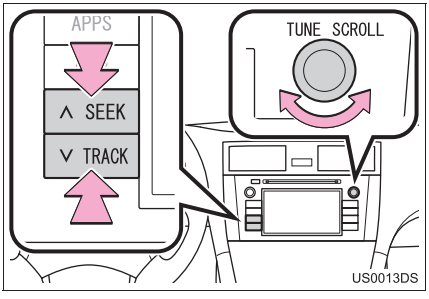
Fast forward and Reverse: Press and hold the "∧" or "∨" of **"SEEK/TRACK"** button to fast forward or reverse. When you release the button, the player will start playing from that position.

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.

SELECTING A DESIRED TRACK

Select a desired track using one of the following methods.



“SEEK/TRACK” button: Press the “∧” or “∨” of **“SEEK/TRACK”** button to select a desired track.

“TUNE/SCROLL” knob: Turn this knob to select a desired track. Also, the knob can be used for selection from the list display.

Track list: A desired track can be selected from a list.

- Touch **“Tracks”** on the screen. The list will be displayed.

- Touch a desired track. The player will start playing the selected track from the beginning.
- Touch ⌃ or ⌄ to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND RANDOM ORDER

RPT **(Repeat mode)**: Use it to automatically repeat the track you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.

RPT: Repeating the track
↓
RPT: OFF

RAND **(Random mode)**: Use it for automatic random selection of the track.

- The random mode changes as follows each time the screen button is touched.

RAND: Playing the tracks in random order
↓
RAND: OFF

PLAYING A MP3/WMA DISC

- The title of the file and folder currently being played will be displayed.

: Touch to pause the file.

: Touch to resume playing the file.

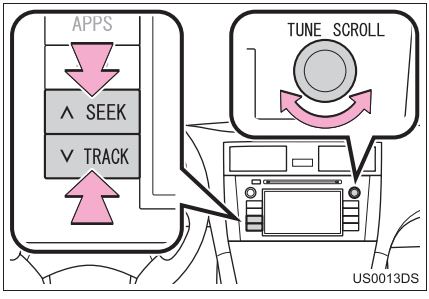
Fast forward and Reverse: Press and hold the "∧" or "∨" of **"SEEK/TRACK"** button to fast forward or reverse. When you release the button, the player will start playing from that position.

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.

SELECTING A DESIRED FILE

Select a desired file using one of the following methods.



"SEEK/TRACK" button: Press the "∧" or "∨" of **"SEEK/TRACK"** button to select a desired file.

"TUNE/SCROLL" knob: Turn this knob to select a desired file. Also, the knob can be used for selection from the list display.

File list: A desired file can be selected from a list.

- Touch **"Files"** on the screen. The list will be displayed.

- Touch a desired file. The player will start playing the selected file from the beginning.
- Touch or to scroll the list.
- If appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

SELECTING A DESIRED FOLDER

1 Touch **"Folders"** on the screen. The folder list will be displayed.

2 Touch a desired folder from the list. The file list for the folder will be displayed.

- When a desired file is touched, the player will start playing the file.
- Touch or to scroll the list.
- If appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND RANDOM ORDER

RPT **(Repeat mode)**: Use it to automatically repeat the file or folder you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.

RPT : Repeating the file
↓
RPT : Repeating the folder
↓
RPT : OFF

RAND **(Random mode)**: Use it for automatic random selection of the file.

- The random mode changes as follows each time the screen button is touched.

RAND : Playing the files on the folder in random order
↓
RAND : Playing the files in all the folders in random order
↓
RAND : OFF

7. iPod OPERATION

Connecting an iPod with the USB port enables users to enjoy music via the vehicle speakers.

CAUTION

- Do not connect an iPod or operate the device controls while driving.

NOTICE

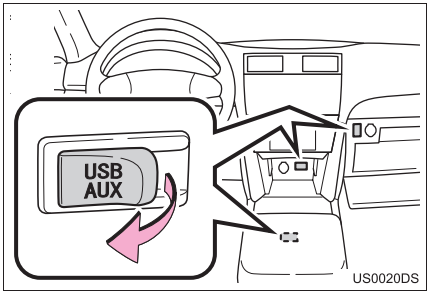
- Do not leave the iPod in the car. In particular, high temperatures inside the vehicle may damage the iPod.
- Do not push down on or apply unnecessary pressure to the iPod while it is connected as this may damage the iPod or its terminal.
- Do not insert foreign objects into the USB port as this may damage the iPod or its terminal.

INFORMATION

- This system has a charging function for iPods.
- When the battery level of an iPod is very low, the iPod may not operate. If so, charge the iPod before use.
- Depending on the iPod that is connected to the system, certain functions may not be available. If a function is unavailable due to a malfunction, disconnecting the iPod and reconnecting it may resolve the problem.

CONNECTING AN iPod

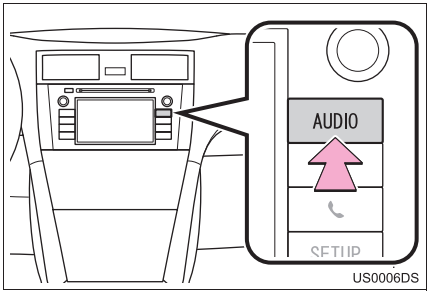
1 Open the cover of the USB/AUX port and connect an iPod.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Turn on the power of the iPod if it is not turned on.

SWITCHING TO iPod MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

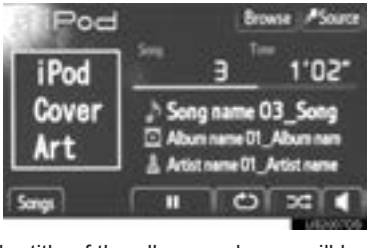
3 Touch **"iPod"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

INFORMATION

- If no iPod is connected, the **"iPod"** cannot be selected. Connect the iPod to the USB port.

PLAYING AN iPod



- The title of the album and song will be displayed you are currently listening to.

: Touch to pause the song.

: Touch to resume playing the song.

Fast forward and Reverse: Press and hold the "∧" or "∨" of **"SEEK/TRACK"** button to fast forward or reverse. When you release the button, the player will start playing from that position.

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.

iPod COVER ART

Depending on the iPod and songs in the iPod, iPod cover art may be displayed.

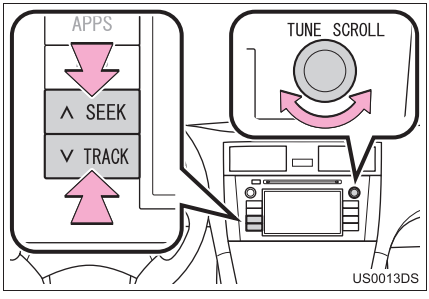
- This function can be changed to "On" or "Off". See "GENERAL SETTINGS" on page 93.

INFORMATION

- It may take time to display iPod cover art, and the iPod may not be operated while the cover art display is in process.
- Only the iPod cover art that is saved in a JPEG format can be displayed.

SELECTING A DESIRED SONG

Select a desired song using one of the following methods.



“SEEK/TRACK” button: Press the “∧” or “∨” of **“SEEK/TRACK”** button to select a desired song.

“TUNE/SCROLL” knob: Turn this control knob to select a desired song. Also, the knob can be used for selection from the list display.

Song list: A desired song can be selected from a list.

- Touch **“Songs”** on the screen. The list will be displayed.

- Touch a desired song. The player will start playing the selected song from the beginning.
- Touch ∧ or ∨ to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

SELECTING A PLAY MODE

1 Touch **“Browse”** on the screen.

2 Touch a desired play mode tab button, such as playlists, artists, albums, songs, podcasts or audio book. And then select the song on each play mode.

- To scroll the tabs, touch « or ».
- Touch ∧ or ∨ to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND SHUFFLE

(Repeat mode): Use it to automatically repeat the song you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.

: Repeating the song

↓

: OFF

(Shuffle mode): Use it for automatic shuffling of the songs or albums in an iPod.

- The shuffle mode changes as follows each time the screen button is touched.

: Playing the songs in shuffle

↓

: Playing the albums in the iPod in shuffle

↓

: OFF

INFORMATION

- When a large number of songs are stored in an iPod, shuffle selection may take time.

8. USB MEMORY OPERATION

Connecting a USB memory with the USB port enables users to enjoy music via the vehicle speakers.

CAUTION

- Do not connect a USB memory or operate the device controls while driving.

NOTICE

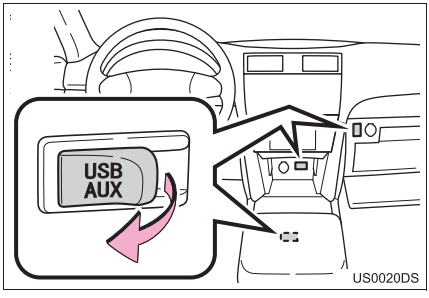
- Do not leave the USB memory in the car. In particular, high temperatures inside the vehicle may damage the USB memory.
- Do not push down on or apply unnecessary pressure to the USB memory while it is connected as this may damage the USB memory or its terminal.
- Do not insert foreign objects into the USB port as this may damage the USB memory or its terminal.

INFORMATION

- When USB memory is connected and the audio source is changed to USB mode, the USB memory resumes playback from the position that was last played. However, if files have been moved or deleted from the USB memory, the resume play will not operate.

CONNECTING A USB MEMORY

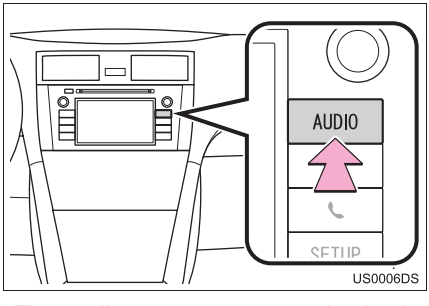
1 Open the cover of the USB/AUX port and connect a USB memory.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Turn on the power of the USB memory if it is not turned on.

SWITCHING TO USB MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"USB"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

INFORMATION

- If no USB memory is connected, the **"USB"** cannot be selected. Connect the USB memory to the USB port.

PLAYING A USB MEMORY

- The title of the file and folder currently being played will be displayed.

: Touch to pause the file.

: Touch to resume playing the file.

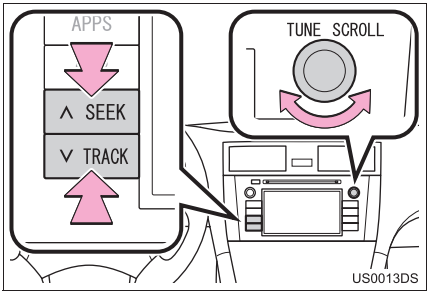
Fast forward and Reverse: Press and hold the "∧" or "∨" of **"SEEK/TRACK"** button to fast forward or reverse. When you release the button, the player will start playing from that position.

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.

SELECTING A DESIRED FILE

Select a desired file using one of the following methods.



"SEEK/TRACK" button: Press the "∧" or "∨" of **"SEEK/TRACK"** button to select a desired file.

"TUNE/SCROLL" knob: Turn this control knob to select a desired file. Also, the knob can be used for selection from the list display.

File list: A desired file can be selected from a list.

- Touch **"Files"** on the screen. The list will be displayed.

- Touch a desired file. The player will start playing the selected file from the beginning.
- Touch ^ or v to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

SELECTING A DESIRED FOLDER

1 Touch **"Folders"** on the screen. The folder list will be displayed.

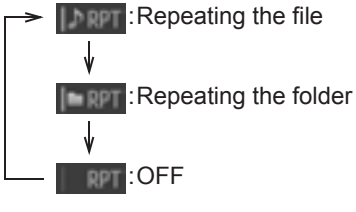
2 Touch a desired folder from the list. The file list for the folder will be displayed.

- When a desired file is touched, the player will start playing the file.
- Touch ^ or v to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND RANDOM ORDER

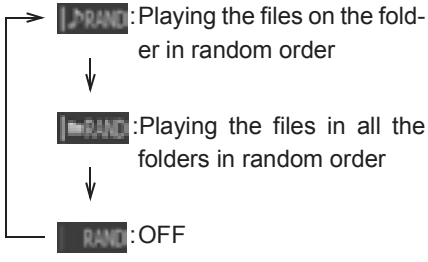
RPT **(Repeat mode)**: Use it to automatically repeat the file or folder you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.



(Random mode): Use it for automatic random selection of the file.

- The random mode changes as follows each time the screen button is touched.



9. AUX DEVICE OPERATION

Connecting a portable audio device with the AUX port enables users to enjoy music via the vehicle speakers.

CAUTION

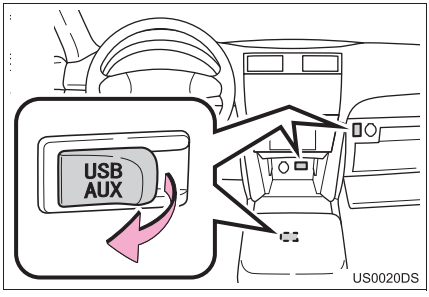
- Do not connect a portable audio device or operate the device controls while driving.

NOTICE

- Do not leave the portable audio device in the car. In particular, high temperatures inside the vehicle may damage the device.
- Do not push down on or apply unnecessary pressure to the portable audio device while it is connected as this may damage the device or its terminal.
- Do not insert foreign objects into the AUX port as this may damage the portable audio device or its terminal.

CONNECTING A PORTABLE AUDIO DEVICE

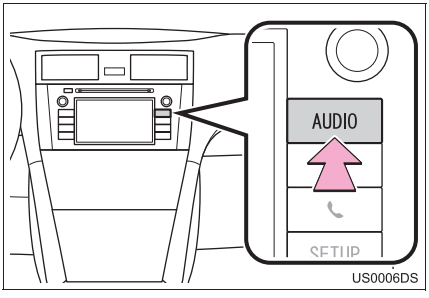
1 Open the cover of the USB/AUX port and connect a portable audio device.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

SWITCHING TO AUX MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"AUX"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

INFORMATION

- If no portable audio device is connected, **"AUX"** cannot be selected. Connect the portable audio device to the AUX port.

PLAYING A PORTABLE AUDIO DEVICE

- Only the volume can be adjusted using the audio system controls. The remaining controls need to be operated on the portable audio device itself.

10. Bluetooth® AUDIO OPERATION

The Bluetooth® audio system enables users to enjoy music played on a portable player from the vehicle speaker via wireless communication.

This audio system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your portable player does not support Bluetooth®, the Bluetooth® audio system will not function.

CAUTION

- Do not operate the player's controls or connect to the Bluetooth® audio system while driving.
- Your audio unit is fitted with Bluetooth® antennas. People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

- Do not leave your portable audio player in the car. In particular, high temperatures inside the vehicle may damage the portable audio player.

INFORMATION

- In the following conditions, the system may not function.
  - The portable audio player is turned off.
  - The portable audio player is not connected.
  - The portable audio player has a low battery.
- Depending on the portable audio player that is connected to the system, certain functions may not be available.
- It may take time, the phone connection is carried out during Bluetooth® audio play.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

INFORMATION

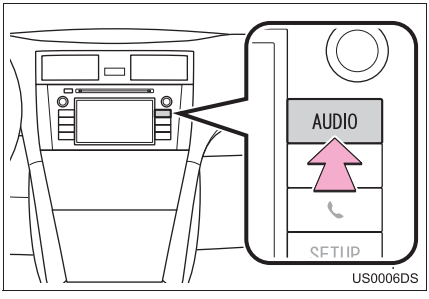
- Portable audio players must correspond to the following specifications in order to be connected to the Bluetooth® audio system. However, please note that some functions may be limited depending on the type of portable audio player.
  - Bluetooth® Specification
    Ver.1.1 or higher
    (Recommended: Ver.2.1+EDR or higher)
  - Profile
    A2DP (Advanced Audio Distribution Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.2 or higher)
    This is a profile to transmit stereo audio or high quality sounds to the headphone.
    AVRCP (Audio/Video Remote Control Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.4 or higher)
    This is a profile to remote control the A/V equipments.
- Refer to http://www.toyota.com/Bluetooth/ to find approved Bluetooth® devices for this system.

CAUTION

- FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- CAUTION: Radio Frequency Radiation Exposure
  This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).
- Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

SWITCHING TO Bluetooth® AUDIO MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"** or press **"AUDIO"** button to display the audio source selection screen.

3 Touch **"BT"** on the screen.

- If a desired source is not displayed on the screen, touch or to scroll to it.

CONNECTING A Bluetooth® AUDIO PLAYER

To use the Bluetooth® audio system, you need to register your portable audio player into the system. Once you have registered it, you can enjoy your music on the vehicle's audio system.

WHEN A Bluetooth® DEVICE IS NOT REGISTERED

If you have not yet registered any Bluetooth® device, you must first register it according to the following procedure.

1 Touch **"Connect"** on the screen.

2 Touch **"Yes"** to connect your portable player.

3 When this screen is displayed, perform a device discovery from your portable audio player.

4 Input the passcode displayed on the screen into your portable audio player.

- A passcode is not required for SSP (Secure Simple Pairing) compatible Bluetooth® phones. Depending on the type of Bluetooth® phone being connected, a message confirming registration may be displayed on the Bluetooth® phone's screen. Respond and operate the Bluetooth® phone according to the confirmation message.
- If you want to cancel it, touch **"Cancel"**.

5 When the connection is completed, this screen is displayed.

- Once you have registered it, the system automatically connects to your portable audio player device every time you start your vehicle.

- The portable audio player information is registered when the Bluetooth® audio system is connected. When you release possession of your vehicle, remove your portable audio player. (See "REMOVING A Bluetooth® DEVICE" on page 99.)

INFORMATION

- For details on device discovery for your portable audio player, refer to the portable audio player's user's guide.

WHEN A Bluetooth® DEVICE IS REGISTERED

If you have registered some Bluetooth® devices, you can change the device connected and add a new device.

1 Touch **"Connect"** on the screen.

2 Touch the portable audio device name to connect.

- If you want to add a new device, touch **"Add New"**. You can register up to 5 devices.

Bluetooth® AUDIO SETTINGS

You can change the Bluetooth® settings. See "Bluetooth® SETTINGS" on page 98.

"Bluetooth* Power": When "Bluetooth* Power" is **"On"**, the Bluetooth® device is automatically connected every time you start your vehicle.

- However, depending on the type of portable audio players or the selected connection method, the device may not be automatically connected.

- This function can be changed to "On" or "Off". See "DETAILED Bluetooth® SETTINGS" on page 102.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

“Connection Method” “From Vehicle”: Connect the audio system to the portable audio player.

- However, depending on the type of portable audio player, the device may not be automatically connected.

“Connection Method” “From Audio Player”: Connect the portable audio player to the audio system.

- This function can be changed to “From Vehicle” or “From Audio Player”. See “DISPLAYING DEVICE DETAILS” on page 100.

PLAYING A Bluetooth® AUDIO PLAYER

- The title of the track and album currently being played will be displayed.

- Some titles and controls may not be displayed depending on the type of Bluetooth® portable audio player.

: Touch to pause the track.

: Touch to resume playing track.

Fast forward and Reverse: Press and hold the “∧” or “∨” of **“SEEK/TRACK”** button to fast forward or reverse. When you release the button, the player will start playing from that position.

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.
- Depending on the portable audio player that is connected to the system, certain functions may not be available.

STATUS DISPLAY

1 Indicates the condition of the Bluetooth® connection.

No connection ◄——► Good

INFORMATION

- An antenna for the Bluetooth® connection is built into in the display. The condition of the Bluetooth® connection may not be good and the system may not function when you use the portable audio player in the following conditions.
  - Your portable audio player is hidden from display (behind the seat or in the glove box and console box).
  - Your portable audio player touches or is covered with metal materials.

2 Indicates the amount of battery charge left.

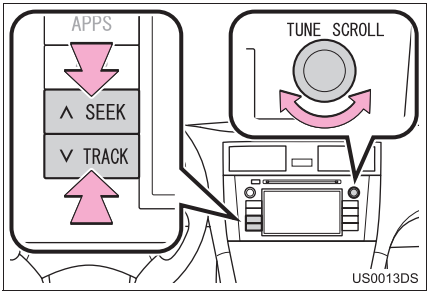
Empty ◄——► Full

INFORMATION

- Depending on the type of portable audio players, remaining battery charge is not displayed.
- The amount left does not always correspond to that of the portable audio players.
- This system does not have a charging function.

SELECTING A DESIRED TRACK

Select a desired track using one of the following methods.



"SEEK/TRACK" button: Press the "∧" or "∨" of **"SEEK/TRACK"** button to select a desired track.

"TUNE/SCROLL" knob: Turn this knob to select a desired track. Also, the knob can be used for selection from the list display.

Track list: A desired track can be selected from a list.

- Touch **"Tracks"** on the screen. The list will be displayed.

- Touch a desired track. The player will start playing the selected track from the beginning.
- Touch ^ or v to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

SELECTING A DESIRED ALBUM

1 Touch **"Browse"** on the screen. The album list will be displayed.

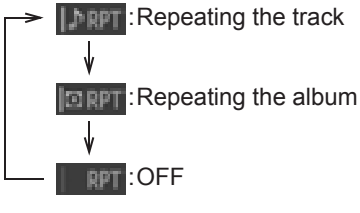
2 Touch a desired album from the list. The track list for the album will be displayed.

- When a desired track is touched, the player will start playing the track.
- Touch ^ or v to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND RANDOM ORDER

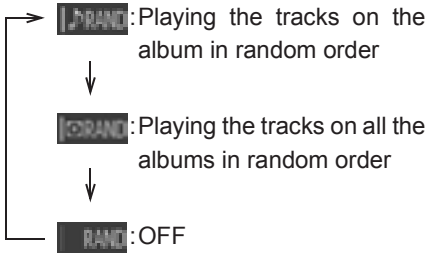
RPT **(Repeat mode)**: Use it to automatically repeat the track or album you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.



(Random mode): Use it for automatic random selection of the track.

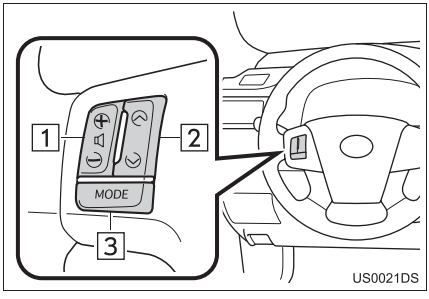
- The random mode changes as follows each time the screen button is touched.



11. STEERING SWITCHES

Some parts of the audio system can be adjusted with the switches on the steering wheel.

STEERING SWITCHES (WITH TWO DIRECTION STEERING SWITCH)



- The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Details of the specific switches, controls, and features are described below.

No.	Switch
1	Volume control switch
2	"∧" "∨" switch
3	"MODE" switch

1 Volume control switch

- Press the **"+"** side to increase the volume. The volume continues to increase while the switch is being pressed.
- Press the **"-"** side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧" "∨" switch

▶Radio

To select a preset station: Press the "∧" or "∨" switch.

To seek a radio station: Press and hold the "∧" or "∨" switch until you hear a beep. If you press either the "∧" or "∨" switch in seek mode, the seek mode will be cancelled.

▶CD player

To select a desired track or file: Press the "∧" or "∨" switch.

To select a desired folder (MP3/WMA): Press and hold the "∧" or "∨" switch until you hear a beep.

▶iPod

To select a desired song: Press the "∧" or "∨" switch.

▶USB memory

To select a desired file: Press the "∧" or "∨" switch.

To select a desired folder: Press and hold the "∧" or "∨" switch until you hear a beep.

▶Bluetooth® audio player

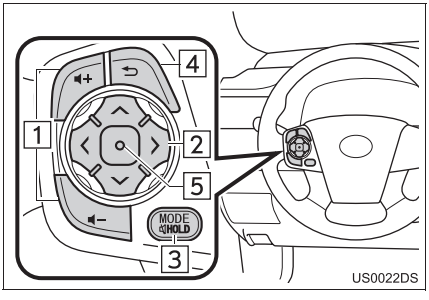
To select a desired track: Press the "∧" or "∨" switch.

To select a desired album: Press and hold the "∧" or "∨" switch until you hear a beep.

3 **"MODE"** switch

- Press the **"MODE"** switch to select an audio mode. Each press changes the mode sequentially if the desired mode is ready to use.
- To turn the audio system on, press the **"MODE"** switch.
- Press and hold the **"MODE"** switch until you hear a beep and the music will pause or be muted. By the same operation, it is released.

STEERING SWITCHES (WITH FOUR DIRECTION STEERING SWITCH)



- The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Details of the specific switches, controls, and features are described below.

No.	Switch
1	Volume control switch
2	"∧ ∨ > <" switch
3	"MODE/HOLD" switch
4	Back switch
5	Enter switch

1 Volume control switch

- Press the **"+"** side to increase the volume. The volume continues to increase while the switch is being pressed.
- Press the **"-"** side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧ ∨ > <" switch

▶Radio

To select a preset station: Press the "∧" or "∨" side of the switch. Repeat this to select the next preset station.

To seek a station: Press and hold the "∧" or "∨" side of the switch until a beep is heard. Repeat this to find the next station. If either side of the switch is pressed during seek mode, seeking will be canceled.

To change the preset page: The radio's preset page can be changed by pressing the ">" or "<" side of the switch.

▶CD player

To select a desired track or file: Press the "∧" or "∨" side of the switch until the desired track or file to play is selected. To return to the beginning of the current track or file, press the "∨" side of the switch once quickly.

To select a desired folder (MP3/WMA): Press the ">" or "<" switch to change to the next or the previous folder.

▶Bluetooth® audio player

To select a desired track: Press the "∧" or "∨" side of the switch until the desired track is selected. To return to the beginning of the current track, press the "∨" side of the switch once quickly.

To select a desired album: Press the ">" or "<" switch to change to the next or the previous album.

▶USB memory/iPod

To select a desired file or song: Press the "∧" or "∨" switch until the desired file or song is selected. To return to the beginning of the current file or song, press the "∨" switch once quickly.

To select a desired play mode tab (iPod): Press "<" or ">" to select the desired play mode tab. If there are no tabs on the screen, this function is not available.

To select a desired folder (USB memory): Press the ">" or "<" switch to change to the next or the previous folder.

3 **“MODE/HOLD”** switch

- Press the **“MODE/HOLD”** switch to select an audio mode. Each press changes the mode sequentially if the desired mode is ready to use.
- To turn the audio system on, press the **“MODE/HOLD”** switch.
- Press and hold the **“MODE/HOLD”** switch until you hear a beep and the music will pause or be muted. By the same operation, it is released.

4 Back switch

- Press the back switch to return to the previous screen.

5 Enter switch

- When in radio mode, pressing the enter switch returns to the preset screen.
- When in media mode, pressing the enter switch returns to the list screen.

12. AUDIO SYSTEM OPERATING HINTS

NOTICE

- To avoid damaging the audio system:
  - Be careful not to spill beverages over the audio system.
  - Do not put anything other than on appropriate discs into the CD player slot.

INFORMATION

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.

RADIO RECEPTION

Usually, a problem with radio reception does not mean there is a problem with your radio — it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range, and the farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio.

FM

Fading and drifting stations: Generally, the effective range of FM is about 25 miles (40 km). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path: FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering: These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping: If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading: AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

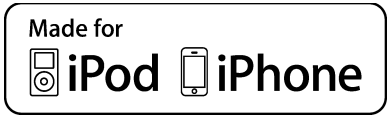
Station interference: When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static: AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

XM®

- Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of XM® Satellite Radio.
- Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

iPod



- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

COMPATIBLE MODELS

The following iPod®, iPod nano®, iPod classic®, iPod touch® and iPhone® devices can be used with this system.

Made for

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

Depending on differences between models or software versions etc., some models might be incompatible with this system.

USB MEMORY

- USB memory that can be used for MP3 and WMA playback.
  - USB communication formats: USB 2.0 FS (12 Mbps)
  - File formats: FAT 16/32 (Windows®)
  - Correspondence class: Mass storage class

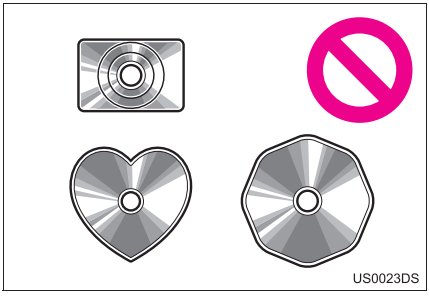
CARING FOR YOUR CD PLAYER AND DISCS

- Your CD player is intended for use with 4.7 in. (12 cm) discs only. To play 3 in. (8 cm) discs, use an adaptor.
- Extremely high temperatures can keep your CD player from working. On hot days, use air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your CD player skip.
- If moisture gets into your CD player, you may not hear any sound even though your CD player appears to be working. Remove the discs from the CD player and wait until it dries.

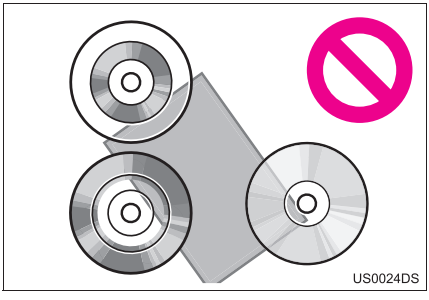
Audio CDs	

- Use only discs marked as shown above. The following products may not be playable on your CD player.
  - SACDs
  - dts CDs
  - Copy-protected CDs
  - Video CDs

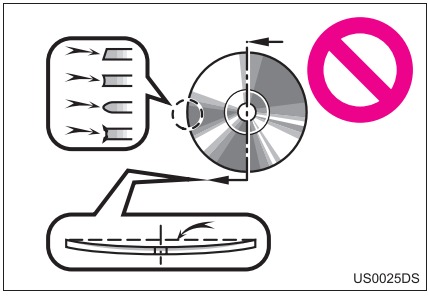
▶Special shaped discs



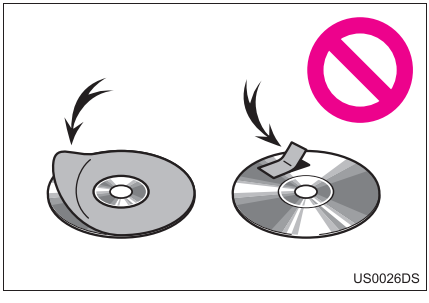
▶Transparent/translucent discs



▶Low quality discs

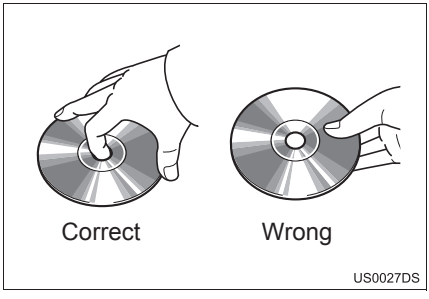


▶Labeled discs

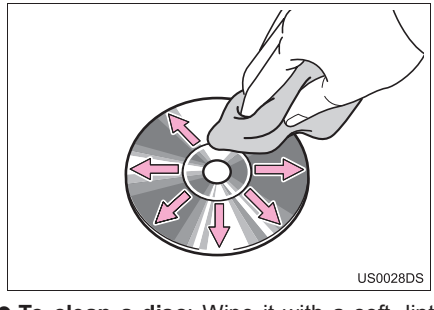


NOTICE

- Do not use special shaped, transparent/translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player, or it may be impossible to eject the disc.
- This system is not designed for use of Dual Disc. Do not use Dual Disc because it may cause damage to the player.



- Handle discs carefully, especially when you are inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes, or other disc damage could cause the CD player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the CD player when you are not using them. Store them in their plastic cases away from moisture, heat, and direct sunlight.



- **To clean a disc**: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the centre to the edge of the disc (not in a circle). Do not use a conventional record cleaner or anti-static device.

MP3/WMA FILES

- MP3 (MPEG Audio Layer 3) and WMA (Windows Media Audio) are audio compression standards.
- The MP3/WMA player can play MP3 and WMA files on CD-ROM, CD-R and CD-RW discs.
  The unit can play disc recordings compatible with ISO 9660 level 1,2 (Romeo Joliet) and UDF (2.01 or lower) file system.
- When naming an MP3 or WMA file, add the appropriate file extension (.mp3 or .wma).
- The MP3/WMA player plays back files with .mp3 or .wma file extensions as MP3 or WMA files. To prevent noise and playback errors, use the appropriate file extensions.
- The player can play only the first session using multi-session compatible CDs.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, and Ver. 2.3 formats. The unit cannot display disc title, track title and artist name in other formats.
- USB memory: MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3 and Ver. 2.4 formats. The unit cannot display track title and artist name in other formats.
- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.
- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, files recorded with a bit rate of at least 128 kbps are recommended.

SAMPLING FREQUENCY

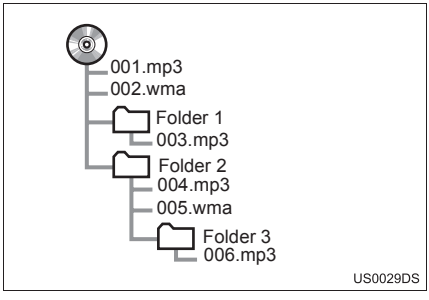
MP3 files:
MPEG 1 AUDIO LAYER 3 — 32, 44.1, 48 kHz
MPEG2 AUDIO LAYER3 — 16, 22.05, 24 kHz
WMA files for WMA player:
Ver. 7, 8, 9 CBR — 32, 44.1, 48 kHz
WMA files for USB memory:
Ver. 7, 8, 9 — HIGH PROFILE 32, 44.1, 48 kHz

PLAYABLE BIT RATES

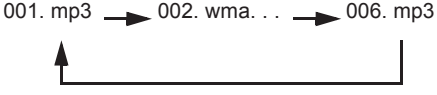
MP3 files for MP3 player:
MPEG1 LAYER3 — 32 to 320 kbps
MPEG2 LSF LAYER3 — 8 to 160 kbps
MP3 files for USB memory:
MPEG 1 AUDIO LAYER 2, 3 — 32 to 320 kbps
MPEG 2 AUDIO LAYER 2, 3 — 8 to 160 kbps
WMA files for WMA player:
Ver. 7, 8 CBR — 48 to 192 kbps
Ver. 9 CBR — 48 to 320 kbps
WMA files for USB memory:
Ver. 7, 8, 9 CBR — 48 to 320 kbps

- M3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if fast-forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA files.

- MP3/WMA files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than two levels of folders.
- WMA files Ver. 9 depends on “Windows Media® Audio Standard”.



- The play order of the compact disc with the structure shown on the left is as follows:



- MP3/WMA player: It is possible to play up to 192 folders or 255 files on one disc.
- USB memory:
  Maximum number of folder in device: 3000
  Maximum number of files in one folder: 255
  Maximum number of files in device: 9999
- The order changes depending on the PC and MP3/WMA encoding software you use.

CD-R AND CD-RW DISCS

- CD-R/CD-RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD-R/CD-RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.
- If you insert a CD-RW disc into the MP3/WMA player, playback will begin more slowly than with a conventional CD or CD-R disc.
- Recordings on CD-R/CD-RW cannot be played using the DDCD (Double Density CD) system.

TERMS

PACKET WRITE

- This is a general term that describes the process of writing data on-demand to CD-R, etc., in the same way that data is written to floppy or hard discs.

ID3 TAG

- This is a method of embedding track-related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to the number of characters, the information can be viewed when the track is played back.

WMA TAG

- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.

ISO 9660 FORMAT

- This is the international standard for the formatting of CD-ROM folders and files. For the ISO 9660 format, there are two levels of regulations.
- Level 1: The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one-byte capital letters and numbers. The "_" symbol may also be included.)
- Level 2: The file name can have up to 31 characters (including the separation mark "." and file extension). Each folder must contain fewer than 8 hierarchies.

m3u

- Playlists created using "WINAMP" software have a playlist file extension (.m3u).

MP3

- MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

WMA

- WMA (Windows Media Audio) is an audio compression format developed by Microsoft®. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8, and 9.

3

Bluetooth® HANDS-FREE SYSTEM

1 Bluetooth® HANDS-FREE SYSTEM OPERATION

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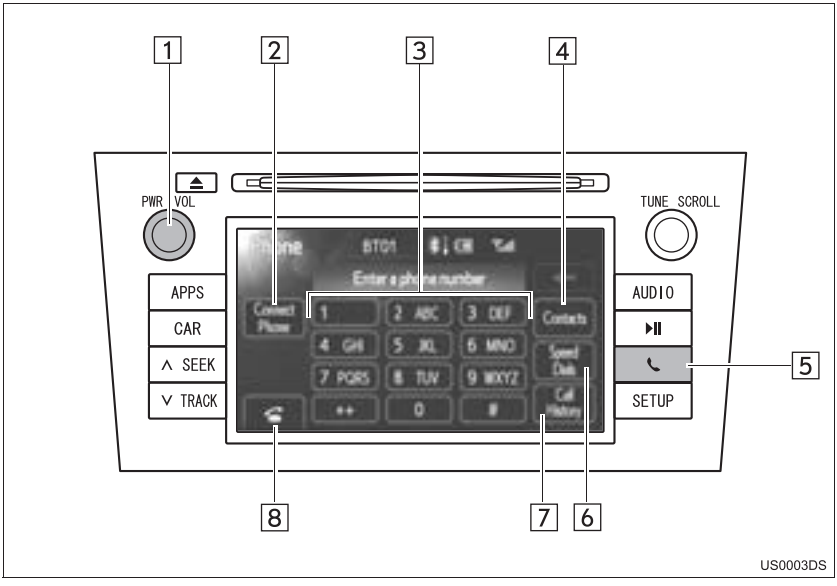
6. TALK ON THE Bluetooth® PHONE 83

INTERRUPT CALL 84

1. QUICK REFERENCE

This screen can be used to make a phone call. To display the “Phone” screen, press the switch on the steering wheel or the button.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *“Owner’s Manual”*.

No.	Name	Function	Page
1	“PWR/VOL” knob	Turn this knob to adjust the volume.	82, 83
2	“Connect Phone”	You can connect a Bluetooth® device to the system.	75
3	Number keys	Used for inputting a phone number.	76
4	“Contacts”	Displays “Contacts” screen to make a call using the phonebook.	76
5	button	Displays “Phone” screen.	74, 76
6	“Speed Dials”	Displays “Speed Dial” screen to make a call using the speed dial.	77
7	“Call History”	Displays “Call History” screen to make a call using the call history.	78
8		Used for making a phone call.	76, 82

2. HANDS-FREE SYSTEM

Bluetooth® hands-free system allows you to make or receive a call without taking your hands off the steering wheel by connecting your cellular phone.

This system supports Bluetooth®. Bluetooth® is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle.

The operating procedure of the system is explained in this section.

● For registering and setting of the phone, see “PHONE SETTINGS” on page 106.

CAUTION

- Use a cellular phone or connect the Bluetooth® phone only when safe and legal to do so.
- Your audio unit is fitted with Bluetooth® antennas. People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

- Do not leave your cellular phone in the car. The temperature inside may be high and damage the phone.
- If the Bluetooth® phone is too close to the system, quality of the sound may deteriorate and connecting condition may go down.

INFORMATION

- If your cellular phone does not support Bluetooth®, this system will not function.
- Depending on the cellular phone models, some functions may be restricted.
- In the following conditions, the system may not function.
  - The cellular phone is turned off.
  - The current position is outside the communication area.
  - The cellular phone is not connected.
  - The cellular phone has a low battery.
  - When outgoing is controlled, due to heavy traffic on telephone lines, etc.
  - When the cellular phone itself cannot be used
  - When transferring the phonebook data from the cellular phone
- Even if your cellular phone supports both hands-free and audio Bluetooth® connections, it may not be able to connect to the hands-free connection at the same time.
- When using Bluetooth® audio and hands-free at the same time, the following problems may occur.
  - The Bluetooth® connection may be cut.
  - Noise may be heard on the Bluetooth® audio playback.
- The Bluetooth® phone battery will be depleted quickly when it is connected to Bluetooth®.

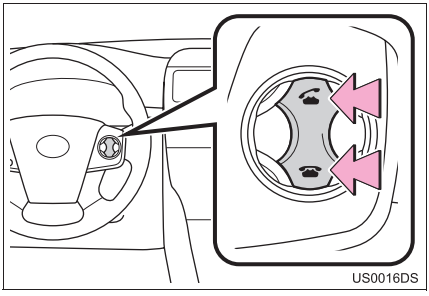
Bluetooth is a registered trademark of Bluetooth SIG, Inc.

INFORMATION

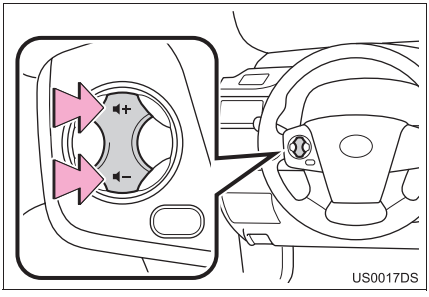
- This system supports the following service.
- Bluetooth® Specification
  Ver.1.1 or higher
  (Recommended: Ver.2.1+EDR or higher)
- Profile
  - HFP (Hands Free Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.5 or higher)
    This is a profile to allow hands-free phone call using the cellular phone or head sets. It has an outgoing and incoming call function.
  - OPP (Object Push Profile)
    Ver.1.1 or higher
    This is a profile to exchange phonebook data. When the Bluetooth® phone has PBAP and OPP, OPP cannot be used.
  - PBAP (Phone Book Access Profile)
    Ver.1.0 or higher
    This is a profile to transfer phonebook data.
- If your cellular phone does not support HFP, you cannot register the Bluetooth® phone, and take OPP or PBAP service individually.
- Refer to http://www.toyota.com/Bluetooth/ to find approved Bluetooth® devices for this system.

USING THE PHONE SWITCH AND MICROPHONE

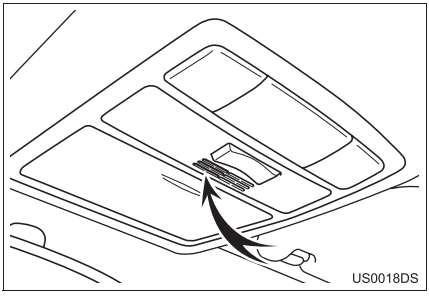
The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.



- By pressing the phone switch, you can receive a call or hang up without taking your hands off the steering wheel.



- By pressing the volume switch, you can adjust the volume.



- You can use the microphone when talking on the phone.

INFORMATION

- The other party's voice will be heard from the front speakers. The audio system will be muted during phone calls or when hands-free voice commands are used.
- Talk alternately with the other party on the phone. If you talk at the same time, your voices may not reach each other. (It is not a malfunction.)
- Keep the volume of receiving voice down. Otherwise, an echo will be heard and receiving voice can be heard outside of the vehicle. When you talk on the phone, speak clearly towards the microphone.
- In the following situations, your voice may not reach the other party.
  - Driving on an unpaved road. (Due to traffic noise.)
  - Driving at high speed.
  - A window is open.
  - Turning the air-conditioning vents towards the microphone.
  - The sound of the air-conditioning fan is loud.
  - There is an effect from the cellular phone network.

ABOUT THE PHONEBOOK IN THIS SYSTEM

- The following data is stored for every registered phone. When another phone is connecting, you cannot read the registered data.
  - Phonebook data
  - Call history data
  - Speed dial data

INFORMATION

- When you delete the phone, the above-mentioned data is also deleted.

WHEN YOU RELEASE YOUR CAR

A lot of personal data is registered when you use the Hands-free system. When you release your car, initialize your data. (See "DELETE PERSONAL DATA" on page 94.)

- You can initialize the following data in the system.
  - Phonebook data
  - Call history data
  - Speed dial data
  - Bluetooth® phone data
  - Volume setting
  - Details setting

INFORMATION

- If you initialize it, the former state will never come back again. Pay attention when initializing the data.

CAUTION

- FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- CAUTION: Radio Frequency Radiation Exposure
  This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).
- Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

PHONE STATUS DISPLAY

1 Indicates the condition of the Bluetooth® connection.

2 Indicates the amount of battery charge left.

- This is not displayed when the Bluetooth® phone is not connected.
- Depending on the type of Bluetooth® phone, remaining battery charge may not be displayed.
- The amount left may not always correspond to that of the Bluetooth® phone. This system does not have a charging function.

3 Indicates the receiving area.

“Rm” is displayed when receiving in Roaming area.

- The receiving area may not be displayed depending on the phone you have.

4 Indicates the level of reception.

- The level of reception does not always correspond with the one of your cellular phone.
- The level of reception may not be displayed depending on the phone you have.
- When you are out of the service area or in a place inaccessible by radio waves, “No Service” is displayed.

INFORMATION

- An antenna for the Bluetooth® connection is built into the display.
- The condition of the Bluetooth® connection may not be good and the system may not function when you use the Bluetooth® phone in the following conditions.
  - Your Bluetooth® phone is hidden from the display (behind the seat or in the glove box or console box).
  - Your Bluetooth® phone touches or is covered with metal materials.
- Leave the Bluetooth® phone in the place where the Bluetooth® sensitivity is good.

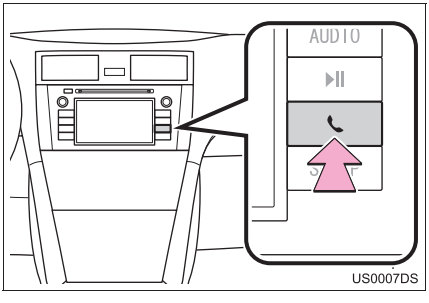
3. REGISTER A Bluetooth® PHONE

To use the Bluetooth® hands-free system, you need to register your phone into the system. Once you have registered it, you can make hands-free calls.

If you have not yet registered any Bluetooth® phones, you must first register it according to the following procedure.

- Please see “REGISTERED DEVICES” on page 98 of additional registration when registering.

1 Press the button or the switch on the steering wheel.



2 Touch **“Yes”** to register your Bluetooth® phone.

3 When this screen is displayed, perform a device discovery from your Bluetooth® phone.

4 Input the passcode displayed on the screen into the phone.

- A passcode is not required for SSP (Secure Simple Pairing) compatible Bluetooth® phones. Depending on the type of Bluetooth® phone being connected, a message confirming registration may be displayed on the Bluetooth® phone’s screen. Respond and operate the Bluetooth® phone according to the confirmation message.
- If you want to cancel it, touch **“Cancel”**.
- If the Bluetooth® phone to be registered has a Bluetooth® audio function, this can be registered at the same time.

5 When the connection is completed, this screen is displayed.

- Once you have registered it, the system automatically connects to your Bluetooth® device every time you start your vehicle. (For automatic connection, see "CHANGING THE Bluetooth® POWER" on page 103.)
- If the Bluetooth® is disconnected on purpose such as you turned your Bluetooth® phone off, this does not happen. Reconnect the Bluetooth® phone manually.

INFORMATION

- For details on device discovery for your Bluetooth® phone, refer to the Bluetooth® phone's user's guide.

SELECTING AND ADDING A Bluetooth® PHONE

If you have registered some Bluetooth® devices, you can change the device connected and add a new device.

1 Touch **"Connect Phone"**.

2 Touch the Bluetooth® devices name to connect.

- The selection indicator is displayed on left side of the selected device name.
- The Bluetooth® mark is displayed when you connected the device.

- If you want to add a new device, touch **"Add New"**. You can register up to 5 devices.

INFORMATION

- When you connect the phone while Bluetooth® audio is playing, the Bluetooth® audio will stop temporarily. It may take time, the phone connection is carried out during Bluetooth® audio play. The audio may be skipped.

4. CALL ON THE Bluetooth® PHONE

After you register the Bluetooth® phone, you can call by using Bluetooth® hands-free system.

BY DIAL

You can call by inputting the phone number.

1 Press the switch on the steering wheel or the button to display the “Phone” screen.

2 Enter a phone number by touching number keys (**0** - **9**, ∗, **#**, **+**).

- Each time you touch , an inputted digit is deleted.
- For the first digit, you can enter “**+**” by touching “∗” for a while.

3 Touch or press the switch on the steering wheel.

BY PHONEBOOK

You can make a call using the phonebook data which is transferred from your cellular phone.

The system has one phonebook for each phone. You can register up to 1000 contacts in each phonebook.

1 Press the switch on the steering wheel or the button to display the “Phone” screen.

2 Touch **“Contacts”**.

3 Touch the desired data from the list.

4 Touch the desired number from the list.

5 Touch or press the switch on the steering wheel.

WHEN THE PHONEBOOK IS EMPTY

1 Touch **"Contacts"**.

- If your phone does not support either PBAP or OPP service, you cannot transfer contacts.

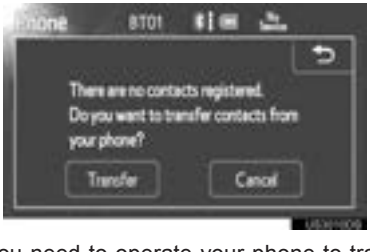
▶PBAP compatible models

2 Touch **"Yes"** if you want to transfer new contacts from a cellular phone.

- Touch **"No"** if you want to cancel transferring the contacts.

▶PBAP incompatible but OPP compatible models

2 Touch **"Transfer"** if you want to transfer new contacts from a cellular phone.



- You need to operate your phone to transfer new contacts.
- Touch **"Cancel"** if you want to cancel transferring the contacts.

BY SPEED DIAL

You can call using registered phone numbers which can be selected from a phonebook. (See "SPEED DIALS SETTING" on page 111 for registering the speed dial.)

1 Press the switch on the steering wheel or the button to display the "Phone" screen.

2 Touch **"Speed Dials"**.

3 Touch the desired number to call.

- You can change the page by touching **"Speed Dial 2"** or **"Speed Dial 3"** tab.

BY CALL HISTORY

You can make a call using the call history which has 4 functions below.

All: all the calls (missed, incoming or outgoing)

Missed: calls which you missed

Incoming: calls which you received

Outgoing: calls which you made

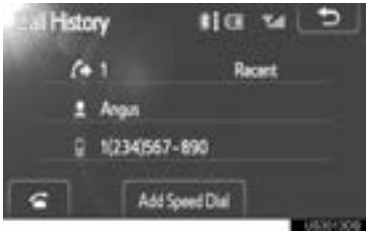
1 Press the switch on the steering wheel or the button to display the “Phone” screen.

2 Touch **“Call History”**.

3 Touch the desired data from the list.

- When the list is switched, touch **“All”**, **“Missed”**, **“Incoming”** or **“Outgoing”** tab.

4 Touch or press the switch on the steering wheel.



You can make a call using the latest call history item.

1 Press the switch on the steering wheel to display the “Phone” screen.

2 Press the switch on the steering wheel to display the “Call History” screen.

3 Press the switch on the steering wheel to select the latest history item.

4 Press the switch on the steering wheel or touch to call the latest history item.

- When you call using the phonebook, the name (if registered) is displayed.
- When you call the same number continuously, only the newest number is registered.
- When a phone number registered in the phonebook is received, the name and the number are displayed.

INFORMATION

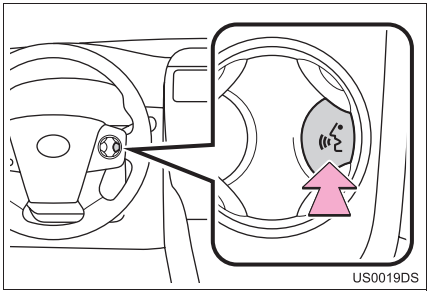
- Number-withheld calls are also memorized in the system.
- A international phone call may not be made depending on the cellular phone which you have.

BY VOICE RECOGNITION (IF EQUIPPED)

Calls can be made by giving a voice command.

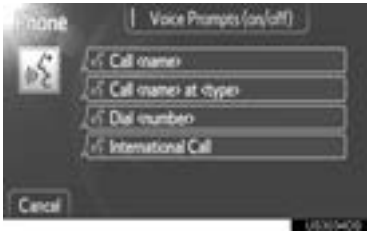
This can be operated while driving.

1 Press the talk switch.



- The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

2 After a beep sounds, say the command of your choice.



- Voice commands are marked with .

3 Say the command displayed on the screen.

- If a desired outcome is not shown, or if no selections are available, perform one of the following to return to the previous screen:
  - Say ***"Go back"***
  - Touch **"Go Back"**
- To cancel voice recognition, touch **"Cancel"**, or press and hold the talk switch.

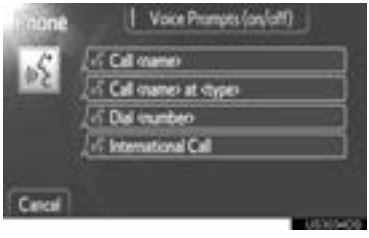
INFORMATION

- Voice guidance for the voice recognition system can be skipped by pressing the talk switch.
- The voice recognition prompt can be set to on or off when **"Voice Prompts (on/off)"** is touched. This setting can also be changed on the "Guidance Settings" screen. (See page 95.)
- When **"Voice Prompts (on/off)"** is touched, voice recognition will be temporarily suspended. Press the talk switch again.
- Voice guidance can be canceled by setting voice prompts to off. Use this setting when it is desirable to say a command immediately after pressing the talk switch.

VOICE COMMAND EXAMPLE: CALL NAME

1 Press the talk switch.

2 Say the name, or the name and type of phone, of a registered contact.



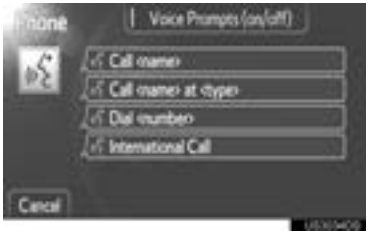
- In the same manner as it is displayed on the screen, “Call <name>” or “Call <name> at <type>,” after saying ***“Call”*** say the name, or the name and type of phone, of a contact.
  For example: ***“Call”***, ***“John Smith”*** or ***“Call”***, ***“Mary Davis”***, ***“at”***, ***“Mobile”***
- There are 4 types of phones: Home, Mobile, Work and Other.
- Short or abbreviated names in the phonebook may not be recognized. Change names in the phonebook to full names.
- Sometimes a voice recognition result confirmation screen will be displayed. After confirming the result, say ***“Yes”*** or ***“No”***.
- When the system recognizes multiple names from the phonebook, a name candidate list will be displayed on the screen. If the desired name is not displayed on the top of the screen, say the number of the name from the candidate list (number 1 or number 2) to select a name from the candidate list.
- When a contact has multiple phone numbers registered in the phonebook, a candidate list will be displayed. If the desired phone number is not displayed on the top of the screen, say the number of the desired phone number from the candidate list (number 1 or number 2) to select a phone number from the candidate list.

3 Say ***“Dial”*** to call the phone number.

VOICE COMMAND EXAMPLE: DIAL NUMBER

1 Press the talk switch.

2 Say the phone number.



- In the same manner as it is displayed on the screen, “Dial <number>”, after saying ***“Dial”*** say the phone number.
- Say the phone number one digit at a time. For example, if the phone number is 2345678:
  Say ***“two three four five six seven eight”***
  Do not say ***“twenty three forty five sixty seven eight”***
- The system can recognize the following types of the phone numbers:
  3 digit numbers (911, 411, 611)
  7 digit numbers (Local phone numbers)
  10 digit numbers (Area code + Local phone number)
  11 digit phone numbers (1 + Area code + Local phone number)

- As the system cannot recognize additional numbers, say the complete number without stopping.
- When the system recognizes multiple phone numbers, a phone number candidate list will be displayed on the screen. If the desired phone number is not displayed on the top of the screen, say the number of the desired phone number from the candidate list (number 1 or number 2) to select a phone number from the candidate list.

3 Say ***"Dial"*** to call the phone number.

INTERNATIONAL CALL

To dial a phone number that is not a 3, 7, 10 or 11 digit number, for example an international number, use "International Call".

1 Press the talk switch.

2 Say ***"International call"***.

- Up to 20 digits can be recognized when using the international call function. The number can also be divided into multiple groups and recognized.

Calling without the voice recognition: After the desired phone number is displayed, a call can also made by pressing the switch on the steering wheel.

Canceling the voice recognition: The voice recognition will be canceled when either of the following is preformed.

- Press and hold the talk switch.
- Touch **"Cancel"**.

5. RECEIVE ON THE Bluetooth® PHONE

When a call is received, this screen is displayed with a sound.

To answer the phone:

Press the switch on the steering wheel or touch .

To refuse to receive the call:

Press the switch on the steering wheel or touch .

To adjust the volume of received call:

Touch **"-"** or **"+"**, turn the **"PWR/VOL"** knob, or use the volume switch on the steering wheel.

INFORMATION

- On the international phone call, the other party's name may not be displayed correctly depending on the cellular phone which you have.

6. TALK ON THE Bluetooth® PHONE

While you are talking on the phone, this screen is displayed. You can do the operation below on the screen.

To adjust the volume of the other party's voice: Touch **"-"** or **"+"**, turn the **"PWR/VOL"** knob, or use the volume switch on the steering wheel.

To hang up the phone: Press the ☎ switch on the steering wheel or touch ☎.

To mute your voice: Touch **"Mute"**.

To input a Key: Touch **"0-9"**.

To transfer the call: Touch **"Handsfree Mode"** or **"Handset Mode"**.

INFORMATION

- When you change from cellular phone call to Hands-free call, the Hands-free screen will be displayed and you can operate it on the screen.

WHEN YOU TOUCH "0-9"

1 Enter a number by touching the number keys.

To hang up the phone: Press the ☎ switch on the steering wheel or touch ☎.

- If the continuous tone signal is registered in a phonebook, this screen appears. (If not registered, **"Send"** and **"Exit"** are not displayed.)
- Confirm the number displayed on the screen and touch **"Send"**. The number before marked sign will be sent.
- When you touch **"Exit"**, this function will be finished and normal tone screen appears.

To hang up the phone: Press the ☎ switch on the steering wheel or touch ☎.

INFORMATION

- The continuous tone signal is the marked sign (p or w) and the number following phone number. (ex. 056133w0123p#1∗)
- You can do this operation when you want to operate an answering machine or use a telephone service in bank for example. You can register the phone number and the code number in the phonebook.

INTERRUPT CALL

When the call is interrupted by the third party while talking, this screen is displayed.

To answer the phone:

Press the switch on the steering wheel or touch .

To refuse to receive the call:

Press the switch on the steering wheel or touch .

- Everytime you press the switch on the steering wheel or touch while interrupt call, the other party will be switched.

INFORMATION

- Interrupt call operation may differ depending on your phone company and cellular phone.
- Interrupt call is unavailable depending on the contract detail with the phone company.

4

VEHICLE INFORMATION

1 VEHICLE INFORMATION

1. QUICK REFERENCE 86

2. FUEL CONSUMPTION..... 87

FUEL CONSUMPTION (VEHICLES WITH HYBRID SYSTEM) 87

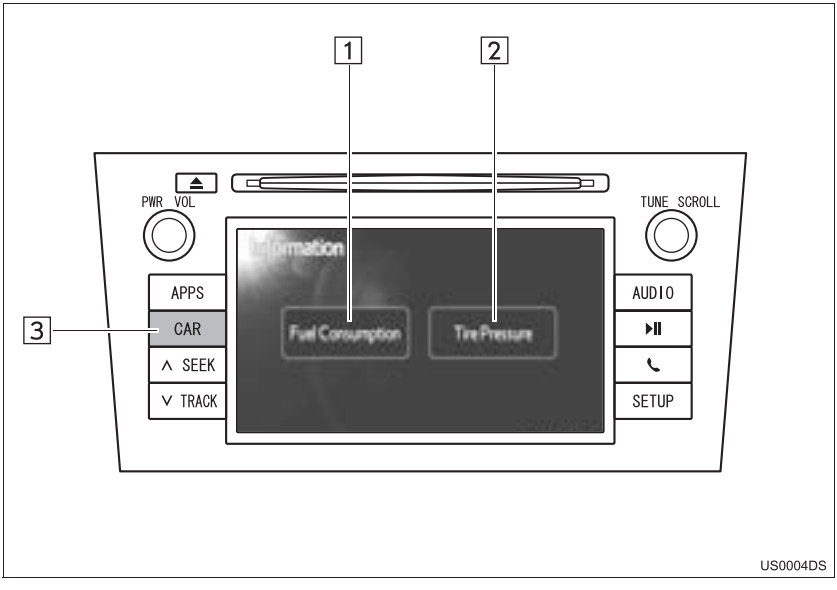
FUEL CONSUMPTION (VEHICLES WITH GASOLINE ENGINE) 87

3. TIRE PRESSURE WARNING SYSTEM 89

SHOWING THE TIRE PRESSURE SCREEN 89

1. QUICK REFERENCE

Fuel consumption information and tire pressure value can be displayed. To access the vehicle information system, press the **“CAR”** button.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *“Owner’s Manual”*.
- The “Information” screen shown above is displayed if the vehicle is equipped with both a fuel consumption and a tire pressure warning system.

No.	Name	Function	Page
1	“Fuel Consumption”*	Displays the “Trip Information”, “History” and “Energy Monitor” screen.	87
2	“Tire Pressure”*	Displays the “Tire Pressure” screen.	89
3	“CAR” button*	Press the “CAR” button to access the vehicle information system. Functions vary by vehicle.	87, 89

*: If equipped

2. FUEL CONSUMPTION*

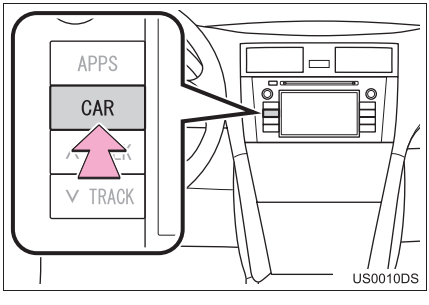
FUEL CONSUMPTION (VEHICLES WITH HYBRID SYSTEM)

Fuel consumption such as shown below can be displayed on the screen. For details, refer to vehicle *"Owner's Manual"*.

- Energy monitor
- Trip consumption
- History

FUEL CONSUMPTION (VEHICLES WITH GASOLINE ENGINE)

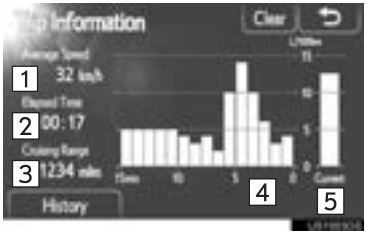
1 Press the **"CAR"** button.



2 Touch **"Fuel Consumption"**.

- The "Trip Information" or "History" screen will be displayed.
- The "Information" screen is not displayed if the vehicles not equipped with a tire pressure warning system.

TRIP INFORMATION



- If the "Trip Information" screen is not displayed, touch **"Trip Information"**.

No.	Name
1	Average speed
2	Elapsed time
3	Cruising range
4	Previous fuel consumption per minute
5	Current fuel consumption per minute

"Clear": Trip information data can be deleted by touching this screen button.

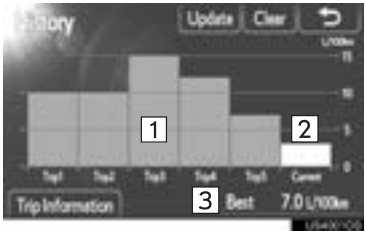
"History": The "History" screen can be displayed by touching this screen button.

INFORMATION

- The trip information display indicates general driving conditions. Accuracy varies with driving habits and road conditions.

*: If equipped

HISTORY



- If the “History” screen is not displayed, touch **“History”**.

No.	Name
1	Previous fuel economy record
2	Current fuel economy
3	Best recorded fuel economy

- The average fuel consumption history is divided by color into past averages and the average fuel consumption since the last reset.

“Clear”: Past record data can be deleted by touching this screen button.

“Update”: Reset the average fuel consumption to measure the current fuel consumption again.

▶Vehicles with multi-information display

When you touch **“Update”**, the average fuel consumption displayed in the multi-information display will be reset at the same time.

“Trip Information”: “Trip Information” screen can be displayed by touching this screen button.

3. TIRE PRESSURE WARNING SYSTEM*

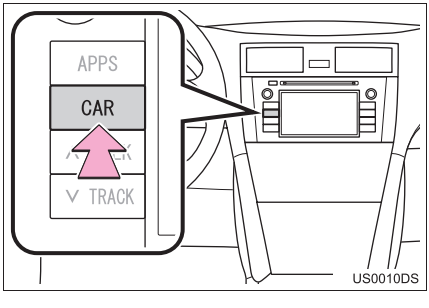
Vehicles equipped with a tire pressure warning system will display a warning screen in addition to a warning indication on the meter if tire pressure becomes low. For information on the tire pressure warning system, refer to vehicle *"Owner's Manual"*.

- To confirm tire pressure values, touch **"Yes"**. To cancel and return to the previous screen, touch **"No"**. (This screen will not be shown if the tire pressure screen is already being displayed.)

SHOWING THE TIRE PRESSURE SCREEN

The tire pressure value of each tire can be confirmed using the tire pressure screen.

1 Press the **"CAR"** button.

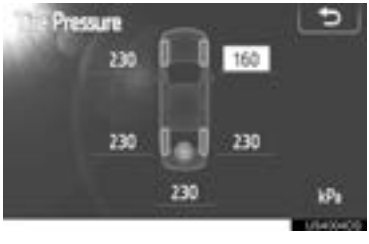


2 Touch **"Tire Pressure"**.

3 The tire pressure value of each tire will be displayed.

▶Type A

▶Type B



- Low tire pressure values will be displayed in orange.
- The display pattern varies depending on the vehicle. Some vehicles do not show the spare tire pressure.

*: If equipped

5

SETUP

1 SETUP OPERATION

1. QUICK REFERENCE 92

2. GENERAL SETTINGS 93

SCREENS FOR GENERAL SETTINGS 93

3. GUIDANCE SETTINGS 95

SCREEN FOR VOICE GUIDANCE SETTINGS 95

4. DISPLAY SETTINGS 96

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6. PHONE SETTINGS 106

PHONE SOUND SETTINGS 106

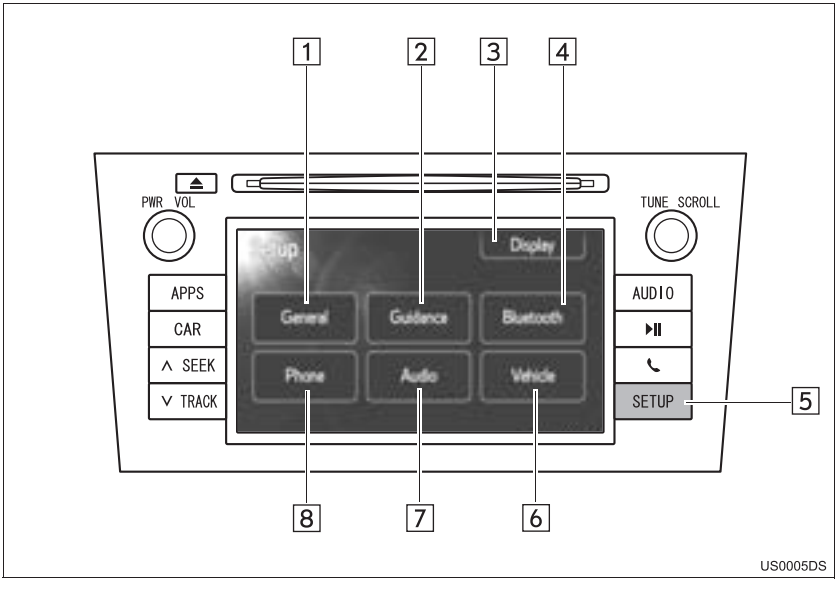
PHONEBOOK 107

7. AUDIO SETTINGS 116

8. VEHICLE SETTINGS 117

1. QUICK REFERENCE

To customize the function settings, press the **"SETUP"** button.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

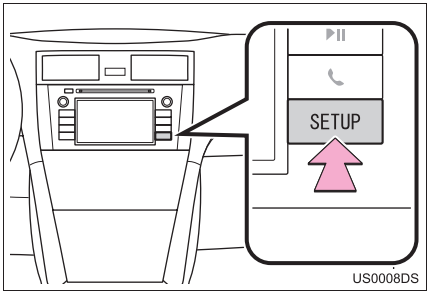
No.	Name	Function	Page
1	"General"	Settings are available for language selection, operation sounds, screen animation, etc.	93
2	"Guidance"*1	Touch to set the voice guidance settings.	95
3	"Display"	Settings are available for contrast and brightness of the screen.	96
4	"Bluetooth*2"	Registering, removing, connecting and disconnecting Bluetooth® devices and settings are available for Bluetooth®.	98
5	"SETUP" button	Press this button to display the "Setup" screen.	93, 95, 96, 98, 106, 116, 117
6	"Vehicle"*3	Settings are available for vehicle customization.	117
7	"Audio"*1	Settings are available for HD Radio™ system.	116
8	"Phone"	Settings are available for phone sound, phonebook, etc.	106

*1: Vehicles with Premium Display Audio system
*2: Bluetooth is a registered trademark of Bluetooth SIG, Inc.
*3: If equipped

2. GENERAL SETTINGS

Settings are available for language selection, operation sounds, screen animation, etc.

1 Press the **"SETUP"** button.



2 Touch **"General"**.

3 Touch the items to be set.

4 Touch **"Save"**.

SCREENS FOR GENERAL SETTINGS

- On this screen, the following functions are operational.

No.	Function
1	You can change the language. (See "SELECTING A LANGUAGE" on page 94.)
2	**"On"** or **"Off"** can be selected to sound beeps.
3	"**On"** or **"Off"** can be selected to display capture image/iPod cover art in the screen.
4	The animation effect for audio source selection screen can be set to **"On"** or **"Off"**.
5	The personal data can be deleted. (See "DELETE PERSONAL DATA" on page 94.)

SELECTING A LANGUAGE

The desired language can be selected.

1 Press the **"SETUP"** button.

2 Touch **"General"** on the "Setup" screen.

3 Touch **"Language"**.

4 Touch the desired screen button.

- The previous screen will be displayed.
- The selectable languages may differ depending on the model or region.

5 Touch **"Save"**.

DELETE PERSONAL DATA

1 Press the **"SETUP"** button.

2 Touch **"General"** on the "Setup" screen.

3 Touch **"Delete Personal Data"**.

4 Touch **"Delete"**.

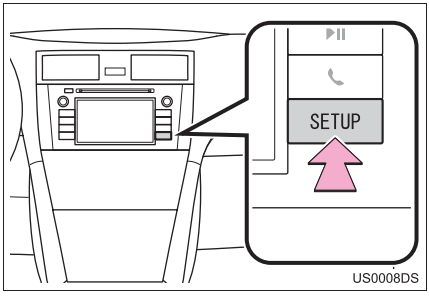
INFORMATION

- The following personal data can be deleted or returned to their default settings:
  - Phone book data
  - Call history data
  - Speed dial data
  - Bluetooth® devices data
  - Phone sound settings
  - Detailed Bluetooth® settings
  - Sound settings

3. GUIDANCE SETTINGS (WITH Premium Display Audio SYSTEM)

Voice recognition guidance for Bluetooth® hands-free systems can be set.

1 Press the **"SETUP"** button.



2 Touch **"Guidance"**.

3 Touch the items to be set.

4 Touch **"OK"**.

SCREEN FOR VOICE GUIDANCE SETTINGS

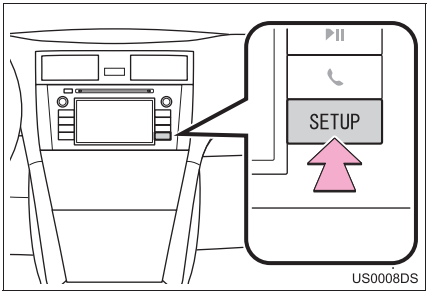
- On this screen, the following functions can be performed.

No.	Function
1	The voice guidance volume can be adjusted.
2	Voice recognition guidance can be set to **"On"** or **"Off"**.

4. DISPLAY SETTINGS

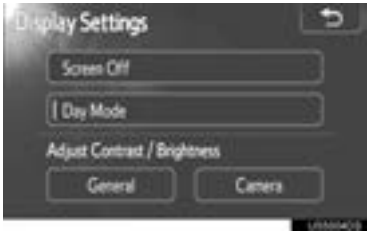
You can adjust the contrast and brightness of the screen. You can also turn the display off.

1 Press the **"SETUP"** button.



2 Touch **"Display"**.

3 Touch the items to be set.



- Please refer to the following pages for each setting.

TURN OFF DISPLAY

1 Press the "**SETUP"** button.

2 Touch **"Display"** on the "Setup" screen.

3 Touch **"Screen Off"**.

- The display screen will be turned off. To turn it on, press the **"AUDIO"**, **"CAR"** or **"SETUP"** button.
- The rear view monitor system may not be available on all models.

CHANGING BETWEEN DAY AND NIGHT MODE

Depending on the position of the headlight switch, the screen changes to day or night mode.

1 To display the screen in day mode even with the headlight switch on, touch **"Day Mode"** on the adjustment screen.

INFORMATION

- If the screen is set in day mode with the headlight switch turned on, this condition is memorized even with the engine switch turned off.

ADJUST CONTRAST/ BRIGHTNESS

1 Press the "**SETUP**" button.

2 Touch **"Display"** on the "Setup" screen.

3 Touch **"General"** or **"Camera"**, in which you want to make an adjustment.

4 Select **"Contrast"** or **"Brightness"** using the « or ».

5 Adjust the contrast or brightness using the **"+"** or **"-"**.

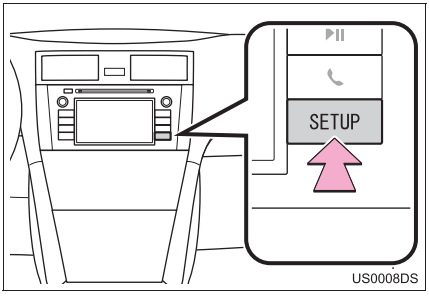
Screen button	Function
"Contrast" "+"	Strengthens the contrast of the screen
"Contrast" "-"	Weakens the contrast of the screen
"Brightness" "+"	Brightens the screen
"Brightness" "-"	Darkens the screen

6 After adjusting the screen, touch **"OK"**.

5. Bluetooth® SETTINGS

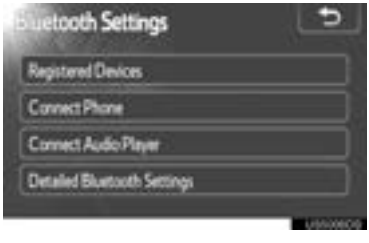
You can confirm and change the Bluetooth® settings.

1 Press the **"SETUP"** button.



2 Touch **"Bluetooth*"**.

3 Touch the items to be set.



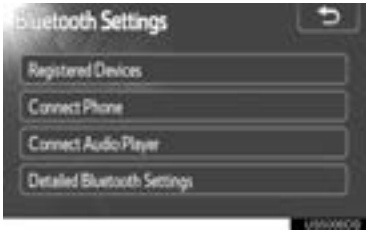
- Please refer to the following pages for each setting.

REGISTERED DEVICES

1 Press the **"SETUP"** button.

2 Touch **"Bluetooth*"** on the "Setup" screen.

3 Touch **"Registered Devices"**.



4 This screen is displayed.

ADDING A NEW DEVICE

1 Touch **"Add New"** to register your Bluetooth® device to the system.

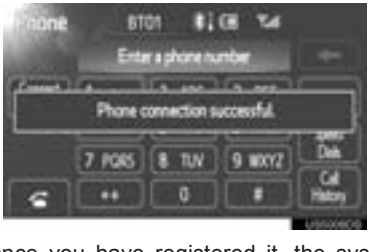
*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

2 When this screen is displayed, perform a device discovery from your Bluetooth® device.

3 Input the passcode displayed on the screen into your Bluetooth® device.

- A passcode is not required for SSP (Secure Simple Pairing) compatible Bluetooth® phones. Depending on the type of Bluetooth® phone being connected, a message confirming registration may be displayed on the Bluetooth® phone's screen. Respond and operate the Bluetooth® phone according to the confirmation message.
- If you want to cancel it, touch **"Cancel"**.
- If the Bluetooth® phone to be registered has a Bluetooth® audio function, this can be registered at the same time.

4 When the connection is completed, this screen is displayed.



- Once you have registered it, the system automatically connects to your Bluetooth® device every time you start your vehicle.

INFORMATION

- For details on device discovery for your Bluetooth® phone, refer to the Bluetooth® phone's user's guide.
- When you register your phone, Bluetooth® audio will disconnect.
- If the Bluetooth® device has Bluetooth® phone and Bluetooth® audio functions, it will register phone and audio simultaneously. If an on-screen message appears, follow the message and register either or both Bluetooth® phone and/or Bluetooth® audio functions.

REMOVING A Bluetooth® DEVICE

1 Touch **"Remove"** to remove your Bluetooth® device from the system.

2 Select the device to remove.

INFORMATION

- When you delete a Bluetooth® phone, the phonebook data will be deleted at the same time.

5 SETUP

DISPLAYING DEVICE DETAILS

1 Touch **“Details”** to display a device detail.

2 Select the device to display.

3 This screen is displayed.

- Touch or to scroll the list.
- The information displays the following items.

Name	Function
“Device Name”	The name in the Bluetooth® network.
“Device Address”	The address peculiar to the system. You cannot change it. If the same device name is displayed on the screen of your device, refer to it.
“My Phone Number”	Phone number of your phone. The number may not be displayed depending on the phones.
“Profiles”	The profiles which support your Bluetooth® device. (For details of each profile, see pages 50 and 70.)
“Connection Method”	The connection method can be switched between **“From Vehicle”** and **“From Audio Player”**.

CHANGING THE CONNECTION METHOD

The connection method can be selected.

1 Touch **“Connection Method”** and select **“From Vehicle”** or **“From Audio Player”**.

2 Touch **“OK”**.

“From Vehicle”: Connect the audio system to the portable audio player.

“From Audio Player”: Connect the portable audio player to the audio system.

INITIALIZING THE Bluetooth® SETTINGS

You can initialize the settings.

1 Touch **“Default”**.

CONNECT PHONE

In case you register more than one Bluetooth® device, you need to choose a favorite one.

You can select the Bluetooth® device from a maximum of 5 numbers.

1 Press the **“SETUP”** button.

2 Touch **“Bluetooth*”** on the “Setup” screen.

3 Touch **“Connect Phone”**.

4 Select the device to connect.

- The Bluetooth® mark is displayed when you connect the device.
- When you touch the device name with the selection indicator and the Bluetooth® mark, the device will be disconnected.

5 When the connection is completed, this screen is displayed.

CONNECT AUDIO PLAYER

In case you register more than one Bluetooth® device, you need to choose a favorite one.

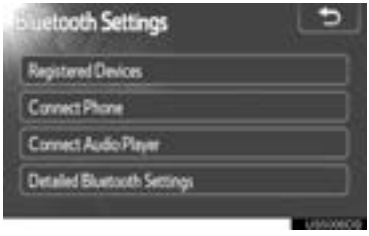
You can select the Bluetooth® device from a maximum of 5 numbers.

1 Press the **“SETUP”** button.

2 Touch **“Bluetooth*”** on the “Setup” screen.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

3 Touch **“Connect Audio Player”**.



4 Select the device to connect.

- The Bluetooth® mark is displayed when you connect the device.
- When you touch the device name with the selection indicator and the Bluetooth® mark, the device will be disconnected.

5 When the connection is completed, this screen is displayed.

DETAILED Bluetooth® SETTINGS

1 Press the **“SETUP”** button.

2 Touch **“Bluetooth*”** on the “Setup” screen.

3 Touch “**Detailed Bluetooth* Settings**”.

4 This screen is displayed.

- Touch ⌃ or ⌄ to scroll the list.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

- The information displays the following items.

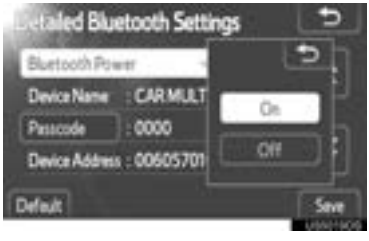
Name	Function
“Bluetooth* Power”	It is available to set whether registered devices will be connected automatically or not.
“Device Name”	The name in the Bluetooth® network. You cannot change it.
“Passcode”	The password when you register your Bluetooth® device in the system. You can change it.
“Device Address”	The address peculiar to the system. You can not change it.
“Profiles”	The name of the profile which your Bluetooth® device corresponds to. (For details of each profile, see pages 50 and 70.)
“Display Phone Status”	The Bluetooth® phone connection status. You can turn it on and off.
“Display Audio Player Status”	The portable audio player connection status. You can turn it on and off.

- If you want to change the settings, refer to the following pages.
- When you change the settings, touch **“Save”** after changing them.

CHANGING THE Bluetooth® POWER

1 Touch **“Bluetooth* Power”**.

2 Touch **“On”** or **“Off”**.



3 Touch **“Save”**.

- In case that the state of **“Bluetooth* Power”** is changed from **“Off”** into **“On”**, Bluetooth® connection will begin.
- The **“Bluetooth* Power”** display shows the following state.

When **“Bluetooth* Power”** is **“On”**: The Bluetooth® device is automatically connected when you start your vehicle.

When **“Bluetooth* Power”** is **“Off”**: The Bluetooth® device is disconnected, and the system will not connect to it next time.

- You can select the state of **“Bluetooth* Power”**.

On: The automatic connection is turned on.

Off: The automatic connection is turned off.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

EDITING THE PASSCODE

1 Touch **"Passcode"**.

2 Input a passcode and touch **"OK"**.

CHANGING THE DISPLAY PHONE STATUS

1 Touch **"Display Phone Status"**.

2 Touch **"On"** or **"Off"**.

3 Touch **"Save"**.

- When you start your vehicle and the Bluetooth® phone is automatically connected, the connection check is displayed.

- You can select the state of **"Display Phone Status"**.

On: The status is displayed.

Off: The status is not displayed.

CHANGING THE DISPLAY AUDIO PLAYER STATUS

1 Touch **"Display Audio Player Status"**.

2 Touch **"On"** or **"Off"**.

3 Touch **"Save"**.

- When you start your vehicle and the Bluetooth® portable audio player is automatically connected, the connection check is displayed.

- You can select the state of **"Display Audio Player Status"**.

On: The status is displayed.

Off: The status is not displayed.

INITIALIZING THE Bluetooth® SETTINGS

You can initialize the settings.

1 Touch **"Default"**.

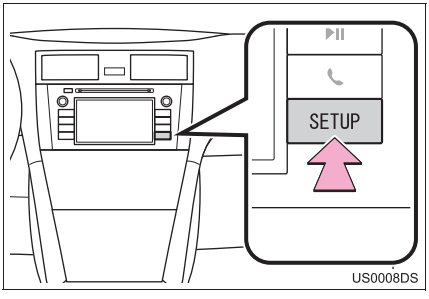
- If the state of **"Bluetooth* Power"** is changed from **"Off"** into **"On"**, Bluetooth® connection will begin.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

6. PHONE SETTINGS

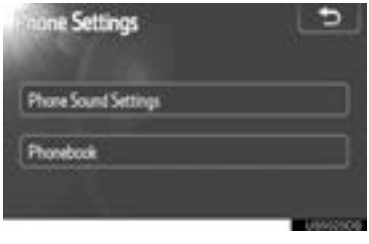
Phone settings can be changed.

1 Press the **"SETUP"** button.



2 Touch **"Phone"**.

3 Touch the items to be set.



- Please refer to the following pages for each setting.

PHONE SOUND SETTINGS

1 Touch **"Phone Sound Settings"**.

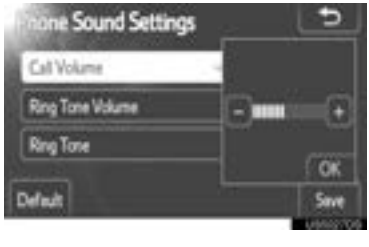
2 Change each setting according to the following procedures.

3 When you complete all settings, touch **"Save"**.

CALL VOLUME SETTING

1 Touch **"Call Volume"**.

2 Touch **"-"** or **"+"** to adjust the call volume.

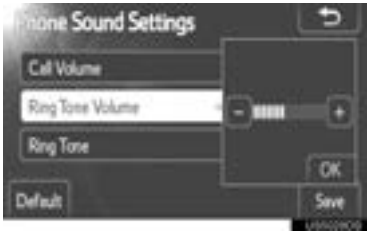


3 Touch **"OK"**.

RING TONE VOLUME SETTING

1 Touch **“Ring Tone Volume”**.

2 Touch **“-”** or **“+”** to adjust the ring volume.

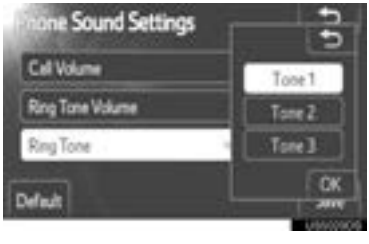


3 Touch **“OK”**.

RING TONE SELECTING

1 Touch **“Ring Tone”**.

2 Touch **“Tone 1”**, **“Tone 2”** or **“Tone 3”**.



3 Touch **“OK”**.

INITIALIZING THE SETTINGS

You can initialize the settings.

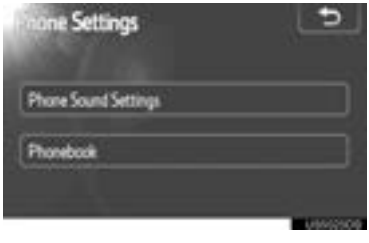
1 Touch **“Default”**.

PHONEBOOK

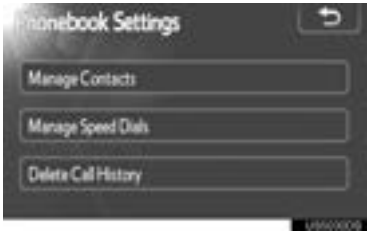
1 Press the **“SETUP”** button.

2 Touch **“Phone”**.

3 Touch **“Phonebook”**.



4 Touch the items to be set.



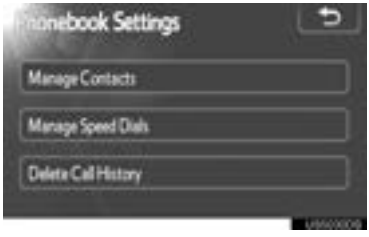
- Please refer to the following pages for each setting.

INFORMATION

- Phonebook data is managed for every registered phone. When another phone is connecting, you cannot read the registered data.

PHONEBOOK SETTINGS

1 Touch **“Manage Contacts”**.



2 Touch the items to be set.

- Please refer to the following pages for each setting.

TRANSFERRING A PHONE NUMBER

You can transfer the phone numbers in your Bluetooth® phone to the system. The phonebook manages a maximum of 5 phonebooks each. Up to 1000 person’s data (up to 3 numbers a person) can be registered in each phonebook.

Operation methods differ between PBAP compatible and PBAP incompatible but OPP compatible Bluetooth® phones.

If your cellular phone is neither PBAP nor OPP compatible, the phonebook cannot be transferred.

1 Touch **“Transfer Contacts”**.

▶PBAP compatible models

2 This screen is displayed. (See page 109.)

▶PBAP incompatible but OPP compatible models

2 This screen is displayed. (See page 110.)

- To verify which profile the cellular phone has, confirm the “Detailed Bluetooth* Settings” screen. (See “DETAILED Bluetooth® SETTINGS” on page 102.)

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

INFORMATION

- Transfer it while the engine is running. (hybrid vehicles: the hybrid system is on).
- Depending on the cellular phone, call history will be also transferred.
- When transferring the phonebook data to the cellular phone, the hands-free may be unavailable.

- You can also display the "Transfer Contacts" screen in the following way.

1 Press the switch on the steering wheel or the button.

2 Touch **"Contacts"**.

3 Touch **"Transfer"**.

AUTOMATIC PHONEBOOK DOWNLOAD SETTING (PBAP COMPATIBLE MODELS)

The first time when the Bluetooth® phone is connected when you start your vehicle, phonebook data is automatically transferred to the system.

The phonebook data will also be transferred automatically when the phone is switched over.

1 Touch **"Automatically Download Contacts"** and select **"On"** or **"Off"**.

2 Touch **"Save"**.

- When the automatic transferring fails, on-screen message will be displayed. Operate by following the display.

INFORMATION

- If you try to manually transfer when transferring automatically, progression display on automatic transfer will be displayed.
- The old phonebook data is available during the transfer on new phonebook data.

UPDATE CONTACTS (PBAP COMPATIBLE MODELS)

You can update contacts.

1 Touch **"Update Contacts"**.

5 SETUP

2 Transfer the phonebook data to the system using the Bluetooth® phone.

- Depending on the type of cellular phone, OBEX authentication may be required when transferring phonebook data. Enter "1234" into the Bluetooth® phone.

- This screen appears while transferring. To cancel it, touch **"Cancel"**. If the transferring is interrupted on the way, the phonebook data transferred will be deleted.

REPLACE OR ADD CONTACTS (PBAP INCOMPATIBLE BUT OPP COMPATIBLE MODEL)

1 Touch **"Replace Contacts"** when you want to replace contacts, or touch **"Add Contacts"** when you want to add contacts.

2 Transfer the phonebook data to the system using the Bluetooth® phone.

- Depending on the type of cellular phone, OBEX authentication may be required when transferring phonebook data. Enter "1234" into the Bluetooth® phone.

- This screen appears while transferring. To cancel it, touch **"Cancel"**. If the transferring is interrupted on the way, when the phone supports OPP service, the phonebook data transferred until then can be memorized in the system.

INFORMATION

- Bluetooth® audio may be disconnected during transfer on phonebook data.

DELETING THE PHONEBOOK DATA

You can delete the data.

When you release your car, delete all your data on the system.

For PBAP compatible phone, delete the phonebook data after setting "Automatically Download Contact" to "Off". (See "AUTOMATIC PHONEBOOK DOWNLOAD SETTING" on page 109.)

1 Touch **“Delete Contacts”**.

2 Select the name you want to delete or touch **“All Delete”**.

- You can also delete it in the following way.

1 Press the switch on the steering wheel or the button.

2 Touch **“Contacts”**.

3 Select the name from the list.

4 Touch **“Options”**.

5 Touch **“Delete”**.

INFORMATION

- When you delete a Bluetooth® phone, the phonebook data will be deleted at the same time.

SPEED DIALS SETTING

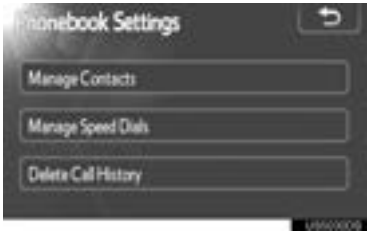
Speed dials setting is accessed from the “Speed Dials” screen.

1 Press the **“SETUP”** button.

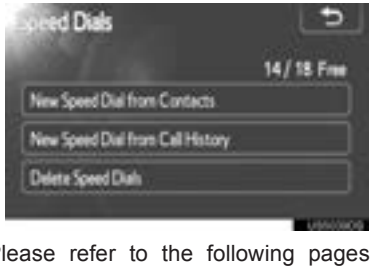
2 Touch **“Phone”**.

3 Touch **“Phonebook”**.

4 Touch **“Manage Speed Dials”**.



5 Touch the items to be set.



- Please refer to the following pages for each setting.

● You can also display the “Speed Dials” screen in the following way.

▶From “Speed Dial” screen

1 Press the switch on the steering wheel or the button.

2 Touch **“Speed Dials”**.

3 Touch **“Options”**.

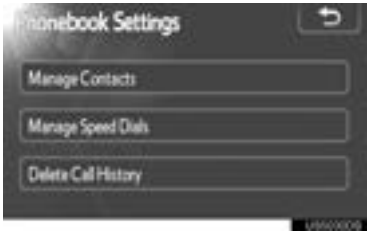
▶From “Contacts” screen

1 Press the switch on the steering wheel or the button.

2 Touch **“Contacts”**.

3 Touch **“Options”**.

4 Touch **“Manage Speed Dials”**.



REGISTERING THE SPEED DIAL FROM CONTACTS

You can register the phone number from phonebook. Up to 18 numbers per phone can be registered.

1 Touch “**New Speed Dial from Contacts”**.

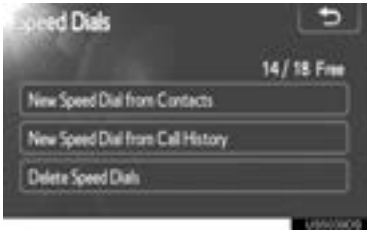
2 Select the data you want to register.

3 Touch the desired phone number.

4 Touch the screen button you want to register in.

REGISTERING THE SPEED DIAL FROM CALL HISTORY

1 Touch **“New Speed Dial from Call History”**.



2 Select the data you want to register.

3 Touch the screen button you want to register in.

● You can also register the speed dial in the following ways.

▶From “Speed Dial” screen

1 Press the switch on the steering wheel or the button.

2 Touch **“Speed Dials”**.

3 Touch **“(add new)”**.

4 Touch any screen button you want to register from.

5 Select the data you want to register.

5 SETUP

6 Touch the desired phone number.

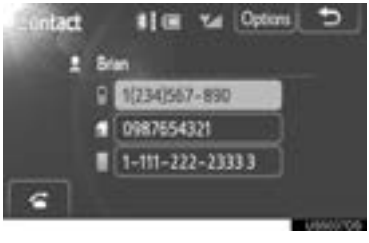
▶From “Contact” screen

1 Press the switch on the steering wheel or the button.

2 Touch **“Contacts”**.

3 Select the data from the list.

4 Touch **“Options”**.



5 Touch **“Set Speed Dial”**.

6 Touch the desired phone number.

▶From “Call History” screen

1 Press the switch on the steering wheel or the button.

2 Touch **“Call History”**.

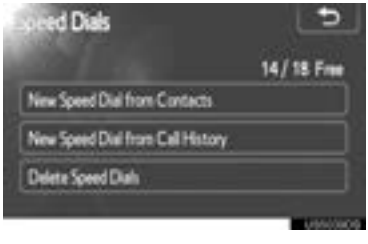
3 Touch the desired phone number.

4 Touch **“Add Speed Dial”**.

DELETING THE SPEED DIAL

You can delete the speed dial.

1 Touch **“Delete Speed Dials”**.



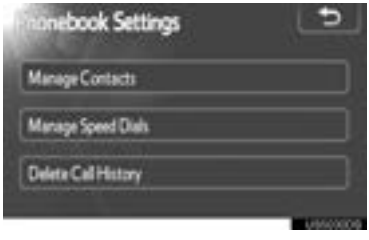
2 Select the data you want to delete or touch **“All Delete”**.

DELETING CALL HISTORY

You can delete the call history.

For PBAP compatible phone, delete the phonebook data after setting “Automatically Download Contact” to “Off”. (See “AUTOMATIC PHONEBOOK DOWNLOAD SETTING” on page 109.)

1 Touch **“Delete Call History”**.



2 Select the desired history to delete.

3 Select the data you want to delete or touch **“All Delete”**.

- You can also delete the call history in the following way.

1 Press the switch on the steering wheel or the button.

2 Touch **“Call History”**.

3 Touch **“Delete”**.

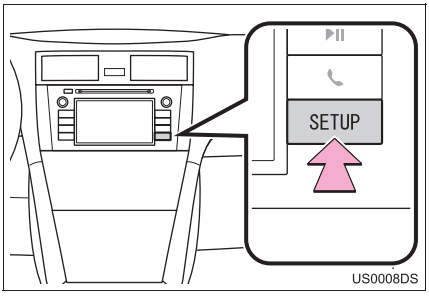
4 Select the data you want to delete or touch **“All Delete”**.

5 SETUP

7. AUDIO SETTINGS (WITH Premium Display Audio SYSTEM)

HD Radio™ system can be set using the following procedure:

1 Press the **"SETUP"** button.



2 Touch **"Audio"**.

3 Touch **"HD Radio Settings"**.

4 Select the desired setting from **"HD Radio/Analog Setting"**.

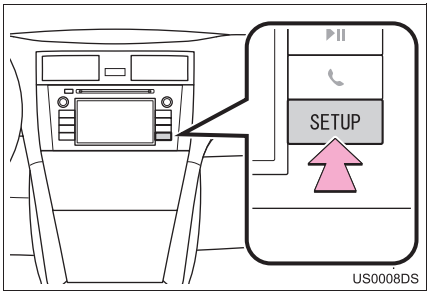
Screen button	Function
"All"	Touch to receive both analog and digital broadcasts.
"HD Only"	Touch to receive only digital broadcasts.
"Analog"	Touch to receive only analog broadcasts.

5 Touch **"Save"**.

8. VEHICLE SETTINGS*

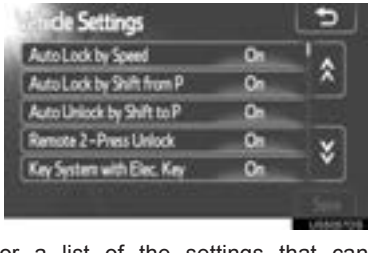
Vehicle customization settings can be changed.

1 Press the **"SETUP"** button.



2 Touch **"Vehicle"**.

3 Touch the desired items to be set.



- For a list of the settings that can be changed, refer to vehicle *"Owner's Manual"*.

4 After changing the settings, touch **"Save"**.

- A message indicating that the settings are being saved will appear. Do not perform any other operations while this message is displayed.

*: If equipped

6

REAR VIEW MONITOR SYSTEM

1 REAR VIEW MONITOR SYSTEM

1. REAR VIEW MONITOR SYSTEM OPERATION..... 120

REAR VIEW MONITOR GUIDE LINES 121

AREA DISPLAYED ON SCREEN..... 122

THE REAR VIEW MONITOR SYSTEM CAMERA 122

2. DRIVING PRECAUTIONS..... 124

1. REAR VIEW MONITOR SYSTEM OPERATION

The rear view monitor system assists the driver by displaying an image of the view behind the vehicle while backing up.

The image is displayed in reverse on the screen. This allows the image to appear in the same manner as that of the rear view mirror.

1 To display the rear view image on the screen, the shift lever is in the “R” position when the engine switch is in the “ON” position.

- If you move the shift lever out of the “R” position, the screen returns to the previous screen.
- If you select another function the camera will turn off.

CAUTION

- Never depend on the rear view monitor system entirely when backing up. Always make sure your intended path is clear.
  Use caution, just as you would when backing up any vehicle.
- Never back up while looking only at the screen. The image on the screen is different from actual conditions. Depicted distances between objects and flat surfaces will differ from the actual distances. If you back up while looking only at the screen, you may hit a vehicle, a person or an object. When backing up, be sure to check behind and all around the vehicle visually and with mirrors before proceeding.
- Do not use the system when the back door, trunk or tailgate is not completely closed.
- Use your own eyes to confirm the vehicle’s surroundings, as the displayed image may become faint or dark, and moving images will be distorted, or not entirely visible when the outside temperature is low. When backing up, be sure to check behind and all around the vehicle visually and with mirror before proceeding.
- Do not use the system in the following cases:
  - On icy or slick road surfaces, or in snow.
  - When using tire chains or emergency tires.
  - On an uneven road, such as a slope.

▶ With rear view monitor guide lines (if equipped)

- Always check the vehicle surrounding area, because the guide lines are ancillary lines.
- The guide lines are ancillary lines and do not change even if the steering wheel is turned.

NOTICE

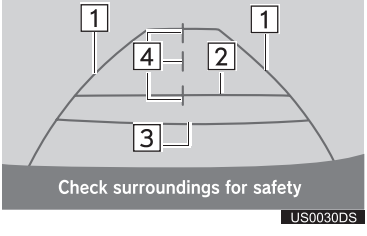
- If the back of the vehicle is hit, the position and mounting angle of the camera may change. Be sure to have the camera's position and mounting angle checked at your Toyota dealer.
- As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
- If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
- Do not strongly rub the camera lens. If the camera lens is scratched, it can not transmit a clear image.
- Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera. If this happens, wipe it off as soon as possible.
- If the tire size is changed, the area displayed on the screen may change.
- When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.

INFORMATION

- If the camera lens becomes dirty, it cannot transmit a clear image. If water droplets, snow, or mud adhere to the lens, rinse with water and wipe with a soft cloth. If the lens is extremely dirty, wash it with a mild cleanser and rinse.

REAR VIEW MONITOR GUIDE LINES (IF EQUIPPED)

Guide lines are displayed on the screen.



- Guidelines shown differ from those shown on the actual screen.

1 Vehicle width extension guide lines (blue)

- These lines indicate the estimated vehicle width extension.

2 Distance guide line (blue)

- This line indicates a position on the ground about 3 ft. (1 m) behind on the ground of the rear bumper of the vehicle.

3 Distance guide line (red)

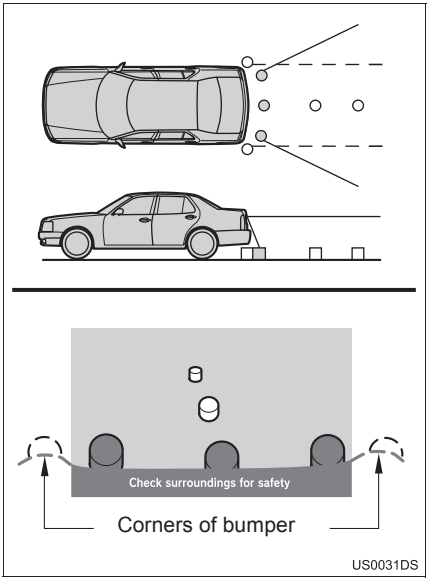
- This line indicates a position on the ground about 1.5 ft. (0.5 m) behind on the ground of the rear bumper of the vehicle.

4 Vehicle center guide lines (blue)

- These lines indicate the estimated vehicle center on the ground.

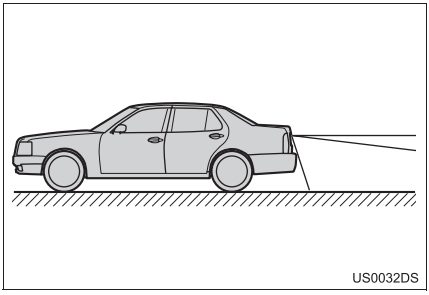
AREA DISPLAYED ON SCREEN

Image is displayed approximately level on screen.



INFORMATION

- The area detected by the camera is limited. The camera does not detect objects which are close to either corner of the bumper or under the bumper.

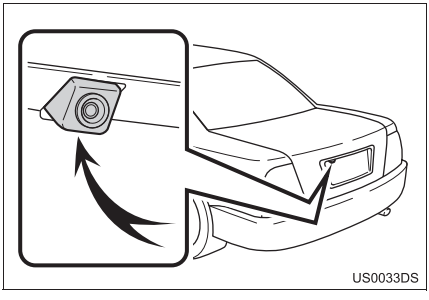


INFORMATION

- The area displayed on the screen may vary according to vehicle orientation or road conditions.

THE REAR VIEW MONITOR SYSTEM CAMERA

The rear view monitor system camera is located as shown in the illustration.

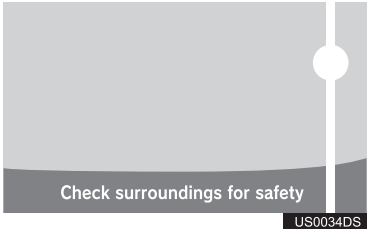


- The actual camera location may differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

INFORMATION

- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- In the following cases, it may become difficult to see the images on the screen, even when the system is functioning.
  - In the dark (for example, at night)
  - When the temperature near the lens is high or low
  - When water droplets are adhering to the camera, or when humidity is high (for example, when it rains)
  - When foreign matter (for example, snow or mud) is adhering to the camera
  - When the camera has scratches or dirt on it
  - When the sun or the beam of headlights is shining directly into the camera lens
- When the camera is used under fluorescent lights, sodium lights, or mercury lights etc., the lights and the illuminated areas may appear to flicker.

▶On some models

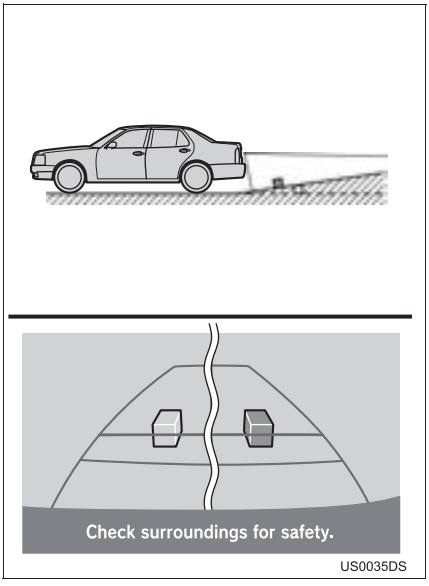


If a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera, the smear effect* peculiar to the camera may occur.

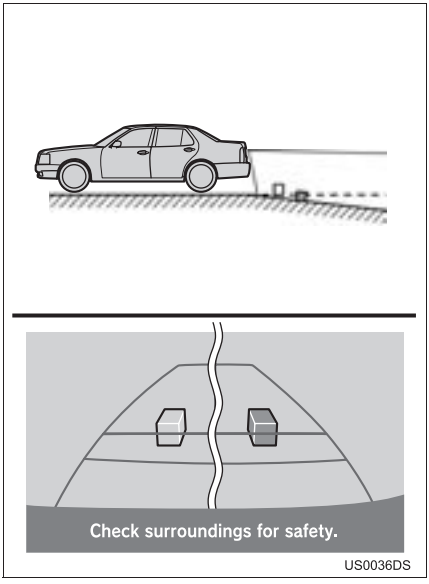
*: Smear effect — A phenomenon that occurs when a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera; when transmitted by the camera, the light source appears to have a vertical streak above and below it.

2. DRIVING PRECAUTIONS (WITH REAR VIEW MONITOR GUIDE LINES)

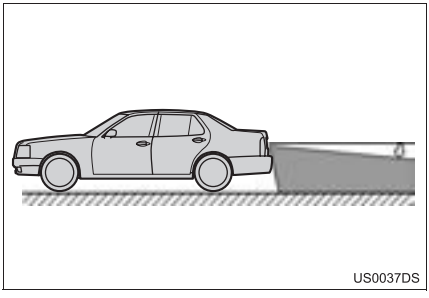
In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



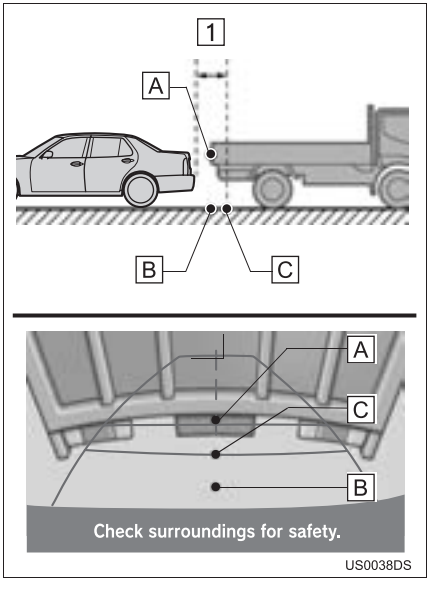
- When the grade behind the vehicle slopes up sharply, objects appear to be farther away than they actually are.



- When the grade behind the vehicle slopes down sharply, objects appear to be closer than they actually are.



- When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



1 Approx. 1.5 ft. (0.5 m)

The distance that appears on the screen between three-dimensional objects (such as vehicles) and flat surfaces (such as the road) and the actual distance differ as follows.

- In reality, A = B < C (A and B are equally far away; C is farther than A and B). However, on the screen, the situation appears to be B < C < A.
- On the screen, it appears that a truck is parking approximately 1.5 ft. (0.5 m) away. However, in reality if you back up to point B, you will hit the truck.

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WITH NAVIGATION (2ND SECTION)

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Introduction

DISPLAY AUDIO SYSTEM OWNER'S MANUAL

This manual explains the operation of the Display Audio system. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The screen shots in this document and the actual screens of the Display Audio system differ depending on whether the functions and/or a contract existed and the map data available at the time of producing this document.

NAVIGATION SYSTEM

The Navigation System is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system is developed by "Harman International" using "Navteq" maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or "short cut" may at times be faster than the calculated routes.

The navigation system's database includes Point of Interest categories to allow you to easily select destinations such as restaurants and hotels. If a destination is not in the database, you can enter the street address or a major intersection close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on the satellite condition, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to page 66.

TOYOTA MOTOR CORPORATION

IMPORTANT INFORMATION ABOUT THIS MANUAL

For safety reasons, this manual indicates items requiring particular attention with the following marks.

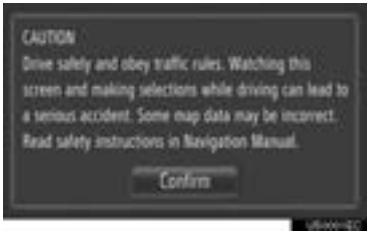
CAUTION

- This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

NOTICE

- This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.

SAFETY INSTRUCTION



To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire Display Audio system Owner's manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed. Only when the vehicle is not moving, can the destination and route selection be done using a keyboard.

▶Navigation lockout message screen when vehicle is in motion

▶Apps lockout message when vehicle is in motion

CAUTION

- For safety, the driver should not operate the Display Audio system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current vehicle position correctly, there is a possibility of incorrect, late, or non-voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instruction from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. Under no circumstances is this system a substitute for the driver's personal judgement.

Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting the use of video and navigation screens next to the driver.

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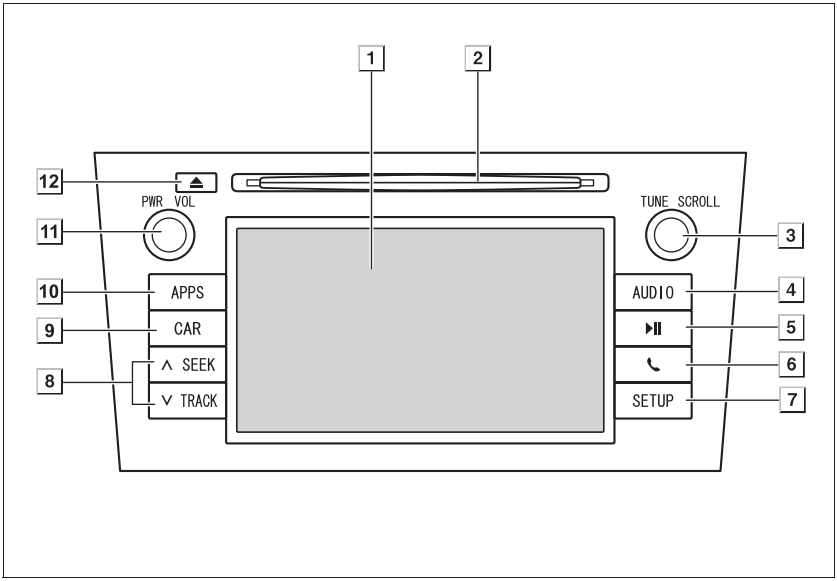
1. OVERVIEW BUTTONS



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

No.	Name	Function	Page
1	Touch screen display	By touching the screen with your finger, you can control the selected functions.	14
2	Disc slot	Insert a disc into this slot. The CD player turns on immediately.	113
3	"TUNE SCROLL" knob	Turn this knob to select radio station bands, tracks and files. Also, the knob can be used for selection from the list display.	99
4	"AUDIO" button	Press this button to access the audio system. The audio system turns on in the last mode used.	96, 98, 99
5	⏯ button*	Press this button to pause or resume playing the music.	—
6	📞 button	Press this button to access the Bluetooth® hands-free system.	152
7	"SETUP" button	Press this button to customize the function settings.	196

No.	Name	Function	Page
8	“SEEK/TRACK” button	Press the “∧” or “∨” button to seek up or down for a radio station, or to access a desired track or file.	103, 110, 115, 117, 120, 134
9	“CAR” button*	Press this button to access the vehicle information system.	190
10	“APPS” button	Press to display a list of applications.	20, 72
11	“PWR VOL” knob	Press this knob to turn the audio system on and off, and turn it to adjust the volume.	98
12	⏏ button	Press this button to eject a disc.	113

*: If equipped

2. SYSTEM FUNCTION INDEX

APPLICATION SYSTEM

To access the application system, press the **"APPS"** button. The "Applications" menu screen will be displayed. The driver can use the navigation system and the other applications. For details, see pages 19 and 71.

AUDIO SYSTEM

To access the audio system, press the **"AUDIO"** button. The audio control screen will be displayed. Audio sources: Radio, CDs, iPod, USB, AUX and Bluetooth® audio. For details, see page 95.

Bluetooth® HANDS-FREE SYSTEM

To access the Bluetooth® hands-free system, press the button. The driver can make or receive phone calls without taking their hands off the steering wheel. For details, see page 151.

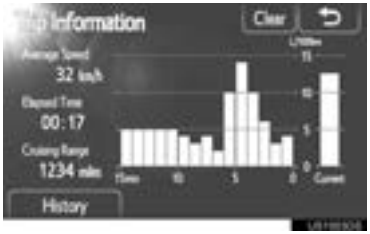
VOICE COMMAND SYSTEM

To access the voice command system, press the switch on the steering wheel. Some apps require that voice commands be started from the specific screen.

will be present when voice commands are available. For details, see pages 183 and 187.

VEHICLE INFORMATION (IF EQUIPPED)

To access the vehicle information system, press the **"CAR"** button. Fuel consumption and tire pressure can be checked. For details, see page 189.



SETUP

To customize the function settings, press the **"SETUP"** button. The interface language can also be changed from the setup menu. Functions are not available on all models. For details, see page 195.

REAR VIEW MONITOR SYSTEM (IF EQUIPPED)

Shifting into the "R" position will automatically show the view behind the rear of the vehicle on the display screen. For details, see page 217.

3. TOUCH SCREEN OPERATION

This system is operated mainly by the screen buttons on the screen.

- When a screen button on the screen is touched, a beep sounds. (To set a beep sound, see page 197.)

NOTICE

- To prevent damaging the screen, lightly touch the screen buttons with your finger.
- Do not use objects other than your finger to touch the screen.
- Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the screen, as they may damage the touch screen.
- To prevent the 12-volt battery from being discharged, do not leave the system on longer than necessary when the engine is not running (hybrid vehicles: the hybrid system is off).

INFORMATION

- If the system does not respond to a touch on a screen button, move the finger away from the screen and then touch it again.
- Dimmed screen buttons cannot be operated.
- The displayed image may become darker and moving images may be slightly distorted when the display is cold.
- Under extremely cold conditions, the screen may not be displayed and the data input by a user may be deleted. Also, the screen buttons may be harder than usual to depress.
- When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings (See “DISPLAY SETTINGS” on page 200.), or take off your sunglasses.

INPUT SCREEN OPERATION

When searching for an address or a name, letters and numbers can be input via the screen.

INFORMATION

- Letters cannot be input while driving. Commands can be entered via voice recognition when available. (See page 184.)

INPUTTING LETTERS AND NUMBERS

1 Touch the keys directly to input letters or numbers.

: Touch to delete one letter. Touch and hold to continue deleting letters.

2 Touch **“OK”**.

INFORMATION

- When a character is input, a hint will appear displaying a possible match for the word to be searched.
- Currently unavailable screen buttons will be dimmed.
- When an entry is too long to be displayed in the input field, the last section of the input text will be displayed with the initial section displayed as "...".
- If the vehicle starts moving while letters are being input, a warning message will be displayed and letters cannot be input. Touch **"Previous"** to return to the previous screen.

CHANGING BETWEEN LOWER CASE AND UPPER CASE

1 Touch A›a or a›A.

A›a : Touch to enter in lower case.

a›A : Touch to enter in upper case.

- Each time A›a or a›A is touched, input will change between upper case and lower case input.

INFORMATION

- In the following situations, the input mode will automatically change between upper and lower case.
  - When the keyboard layout is changed to upper case input, the layout will automatically change back to lower case input after one letter has been entered.
  - When **"/"**, **"&"**, **"."** or **"("** is input, the keyboard layout will automatically be changed to upper case input.
  - When all characters are deleted, the keyboard layout will automatically change to upper case input.

INPUTTING SYMBOLS

1 Touch Á^@.

2 Touch ÉØÜ (éøü) or @+#.

▶ ÉØÜ (éøü) keyboard layout

▶ @+# keyboard layout

3 Touch the symbol keys directly to input symbols.

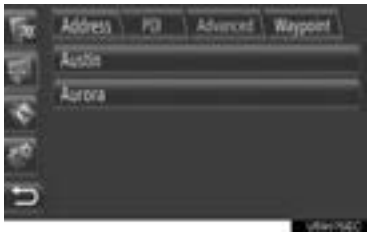
ENTERING FROM THE LIST OF MATCHING ENTRIES

On certain screens, a candidate entry text or word prediction list based on the input letters will be displayed. The desired item can be selected and entered.

1 Enter letters.

- If a candidate entry text displayed in the input field is what is desired, touch **"OK"**.
- Touching 143 displays the candidate entry text list. The number of matching items is shown. Up to 300 items are displayed.
- The list will be displayed automatically, if the number of matching entries is 5 or less.

2 Touch desired item.



LIST SCREEN OPERATION

When a list is displayed, use the appropriate screen button to scroll through the list.

or : Touch to shift to the next or previous page.

- By touching and holding this screen button, the screen can be scrolled up or down. Scrolling will automatically stop when the top/bottom of the list is reached.

:Touch to have entries that are too long to fit in the current field scrolled automatically from right to left.

:This indicates the displayed screen's position.

INFORMATION

- While driving, changing pages will be limited.

CHARACTER JUMP BUTTONS IN LISTS

Some lists contain character screen buttons, **"ABC"**, **"DEF"** etc., which allow a direct jump to list entries that begin with the same letter as the character screen button.

1 Touch one of the character screen buttons.

INFORMATION

- Every time the same character screen button is touched, the list starting with the subsequent character is displayed.

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*: Point of Interest

2

APPLICATION-“Map”

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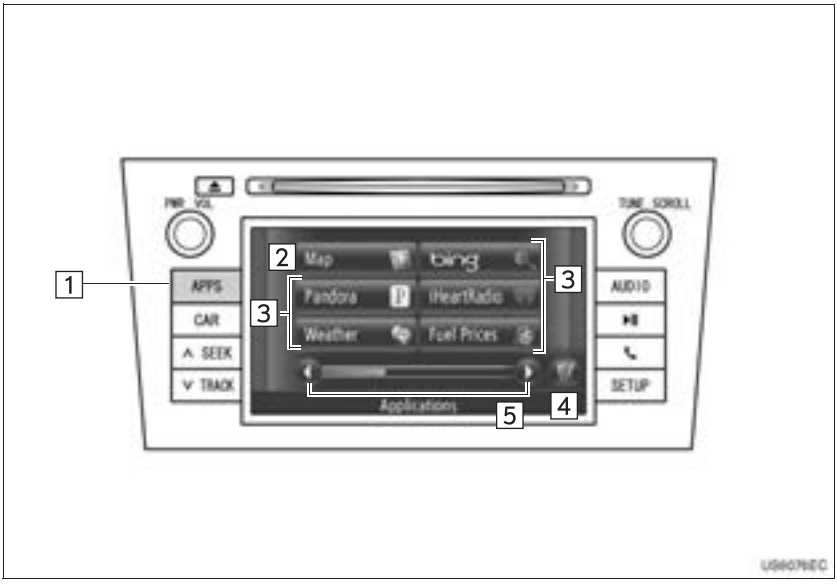
1. QUICK REFERENCE

The navigation application and several other applications can be accessed by pressing the **"APPS"** button.

When the **"APPS"** button is pressed, the "Applications" menu screen that was last displayed is returned to. Touch to display the "Applications" menu screen.

▶"Applications" menu screen



- The actual design and button position will differ depending on the vehicle and availability of Entune. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

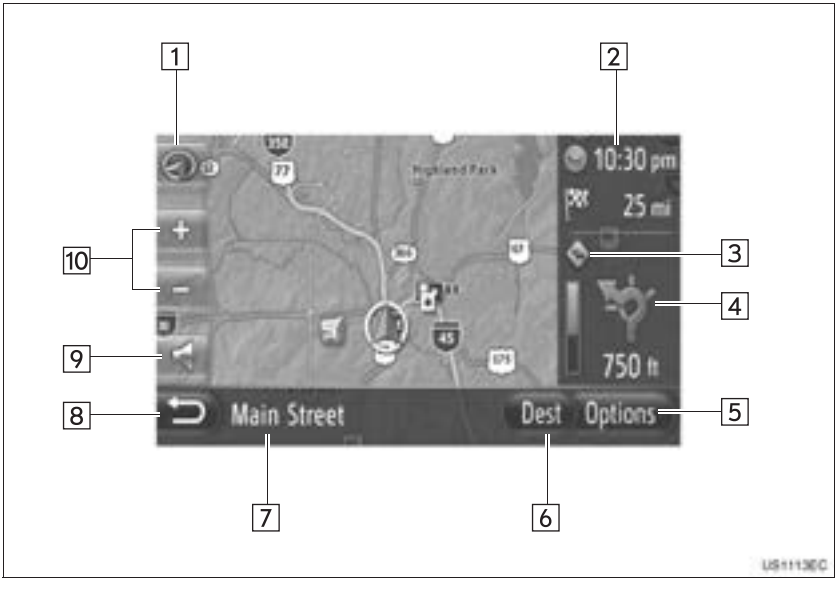
No.	Function	Page
1	Press to display a list of applications.	—
2	"Map" provides the user with navigation, route calculation, destination entry (manually or via voice recognition), turn by turn directions, and real-time traffic.	25
3	Touch to access the applications.	81, 83, 91
4	Touch to close the applications.	91
5	Touch to shift to the next or previous page.	—

To display the "Navigation" menu screen, touch **"Dest"** on the map. (See page 22.) From this screen, destinations can be entered and route-related settings can be changed.

▶"Navigation" menu screen

No.	Function	Page
1	Touch to display the "My Destinations" screen. A destination can be entered by selecting an item from the list of stored destinations, previous destinations or the addresses from the connected phone's phone book.	33
2	Touch to display the "Enter Destination" screen. A destination can be entered by address, POI or using advanced options. It can also be added as a waypoint to a destination.	35, 49
3	Touch to display the "Traffic Messages" screen. Traffic messages function is using Entune service. It contains a list of traffic messages relating to the set route, all traffic messages and warnings.	84
4	Touch to display the "Route Options" screen. The route preferences, avoidance criteria and traffic messages function can be adjusted.	64
5	Touch the corresponding icon to change to the "My Destinations", "Enter Destination", "Traffic Messages" or "Route Options" screen.	33, 35, 49, 64, 84

▶Overview guidance screen



No.	Function	Page
1	This symbol indicates a map layout. Touching this symbol changes the map layout.	28
2	Displays the distance, the estimated travel time to the destination, or the estimated arrival time at the destination.	44
3	Displays traffic information on the route.	84
4	Displays the distance to the next turn with the arrow indicating the turn direction.	44
5	Touch to display the “Options” screen.	46
6	Touch to display the “Navigation” menu screen.	21
7	Displays the current street name or next turn (during route guidance).	44
8	Touch to display the “Applications” menu screen.	20, 72
9	Touch to hear voice guidance and/or adjust the volume of voice guidance.	45
10	Touch to change the map scale.	27

2. NAVIGATION SYSTEM FUNCTION INDEX

▶Map

Displaying maps	Page
Viewing the map screen	25
Displaying the current vehicle position	25
Viewing the current vehicle position vicinity map	27
Changing the scale	27
Changing the map layout	27
Displaying Point of Interest Icons	29
Viewing traffic messages	84

Searching destination	Page
Searching the destination	33
Setting the entry registered with the system as the destination	33

▶Route guidance

Before starting route guidance	Page
Recalculating the route	43
Viewing alternative routes	42
Starting route guidance	42

Before starting or during route guidance	Page
Viewing the route	46
Adding destinations	49
Recalculating the route	47
Changing the estimated travel/arrival time display	63

During route guidance	Page
Stopping route guidance	46
Adjusting route guidance volume	45
Displaying the entire route map	46

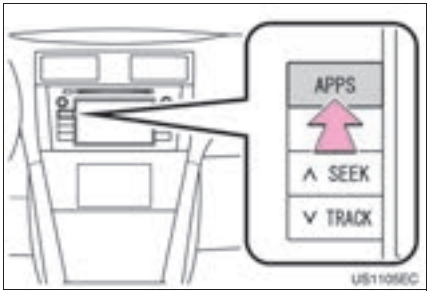
▶Memory point

Memory point	Page
Registering the entry	52
Editing the entry	56
Loading the entry from external devices	59

3. MAP SCREEN OPERATION

TO DISPLAY MAP SCREEN

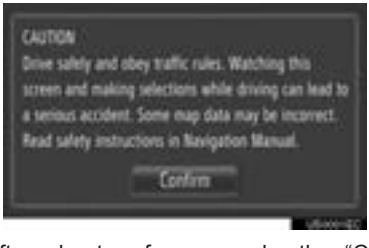
1 Press the **"APPS"** button.



- When the "APPS" button is pressed, the "Applications" menu screen that was last displayed will be returned to. Touch until the "Applications" menu screen is displayed.

2 Touch **"Map"**.

3 Touch **"Confirm"**.



- After about a few seconds, the "CAUTION" screen automatically switches to the map screen.

INFORMATION

- The "CAUTION" screen will be displayed when the screen is changed to the map screen for the first time after the engine switch has been in the "ACC" or "ON" position.
- If **"Map"** is touched while the map is loading or an application is in use, a pop-up window will be displayed. When the loading process is complete, the map screen will be displayed.

MAP SCREEN OPERATION

CURRENT VEHICLE POSITION DISPLAY

When starting the navigation system, the current position is displayed first. This screen displays the current vehicle position and a map of the surrounding area.

- The current vehicle position mark appears in the center of the map screen.

INFORMATION

- The vehicle icon can be changed. (See page 61.)
- While driving, the current vehicle position mark is fixed on the screen and the map moves.
- The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
- After 12-volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.

CURRENT LOCATION AND GPS INFORMATION

Current location, geo-coordinates and GPS information are displayed.

1 Touch **"Options"** on the map.

2 Touch **"Location & GPS Information"**.

3 An information screen will be displayed.

- On this screen, the following information is displayed.

No.	Information
1	The information provided varies, depending whether the road currently being travelled on is a freeway or a street.
2	Latitude and Longitude
3	Amount of available satellites and the altitude.

SCREEN SCROLL OPERATION

When any point on the map is touched, that point moves to the center of the screen and is shown by the cursor mark .

- If a finger is continuously held on the screen, the map will continue scrolling in that direction until the finger is removed.
- A street name or geo-coordinates of the touched point will be shown, depending on the scale of the map.
- After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current vehicle position mark will continue to move along your actual route and may move off the screen. When is touched, the current vehicle position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.
- When the scroll feature is used, the current vehicle position mark may disappear from the screen. Touch to display the current vehicle position on the map screen.

- When **"Calculate"** is touched, the starting route guidance screen is displayed. (See page 42.)
- When **"Save"** is touched, the point is registered in the "Stored" list on the "My Destinations" screen. (See page 54.)

MAP CONFIGURATIONS

Any of the following map configurations can be selected.

MAP SCALE

1 Touch **"+"** or **"-"** to change the scale of the map screen.

INFORMATION

- The scale range is from 150 feet to 250 miles.
- After the scale has been changed, the new scale indicator will be displayed in the upper left area of the screen for a while.

MAP LAYOUT

The map layout can be changed from **“3D Heading”**, **“2D Heading”** or **“2D North”**.

1 Touch or .

2 Touch the desired map layout.

“3D Heading”: Touch to display 3D map. The direction of vehicle travel is always up.

“2D Heading”: Touch to display 2D map. The direction of vehicle travel is always up.

“2D North”: Touch to display 2D map. Regardless of the direction of vehicle travel, north is always up.

▶3D Heading

▶2D Heading

▶2D North

- Map layout can be also changed by touching **“Options”** and then **“Map Settings”**. (See page 61.)

4. MAP ICONS

POI ICONS

DISPLAY POI ICONS

Points of Interest such as gas stations and restaurants can be displayed on the map screen. Their location can also be set as a destination.

- POI icons are displayed on the map.

- You can select a particular type of Point of Interest displayed on the screen. (See page 61.)

LIST OF POI ICONS

▶Public

Icon	Name
	Library
	College/University
	School
	Tourist office
	Cemetery, funeral director
	Government Office, Institution, City hall, Community gen.
	Community

Icon	Name
	Court house
	Place of worship
	Accommodation, Hotel/Motel
	Pharmacy
	Convention Center, Exhibition Center
	Finance, Bank
	Cash Dispenser
	Post Office
	Business, B. General, B. facility
	Medical, Doctor, Health & Care
	Ambulance, Hospital/Polyclinic
	Fire Station
	Police Station
	Phone Box, Communication
	Dentist
	Veterinarian

▶Traffic

Icon	Name
	Car Dealer/Repairer, Repair Facility, Repair General, Car Wash, Tire Repair
	Car Dealer
	Highway Exit
	Airport, Dep. /Arrival, Ground, International, Domestic
	Bus Terminal, Bus Stop, Transportation, Public Transp. Stop, Transport general
	Railway Station
	Metropolitan Train
	Gas Station
	Rent-a-Car,-Facility, -Parking
	Ferry Terminal
	Parking, Open Parking Area, P. Area general
	Parking Garage
	Open P.A. P+R
	Rest Area
	Motoring Organization, Automobile Club
	Mover, Moving Company

Icon	Name
	Motorcycle Dealer

▶Clubbing

Icon	Name
	Multiple POI
	Bar, Nightlife
	Leisure, Cultural Center, Theater, Music Center, Concert Hall
	Cinema
	Casino
	Cafe/Bar, Cafe
	Restaurant, French, Belgian, Chinese, German, Greek, Vegetarian, Fast Food, Grill, Sea Food, Sandwich, Steak...

▶Sport

Icon	Name
	Sport, Sport General, sport activities
	Golf Course
	Race Track
	Stadium, Sports Center, Hippodrome
	Water Sports
	Bowling

▶Leisure

Icon	Name
	Amusement Park
	Winery
	Museum
	Shopping, Market Place, Shopping Center, Factory Outlet
	Shop, Department Store, Drive-through-bottle-shop
	Tourist Attractions, Important Tourist Attractions
	Park/Recreational Area
	Yacht Basin, Harbour
	Camping Ground
	Grocery Store
	Historical Monument
	RV Park, Camping
	Bookstore
	Hair & Beauty
	Photography
	Shoestore
	Wine & Liquor

Icon	Name
	Clothing
	Cleaning & Laundry

DISPLAYING POI INFORMATION

1 Touch the desired POI icon on the map.

2 Touch .

▶One POI

▶Multiple POI

3 POI information will be displayed.

- When **"Calculate"** is touched, the starting route guidance screen is displayed. (See page 42.)
- When **"Save"** is touched, the point is registered in the "Stored" list on the "My Destinations" screen. (See page 54.)
- When is touched, the registered telephone number is called.

1. DESTINATION SEARCH

DESTINATION SEARCH ON THE "My Destinations" SCREEN

There are several ways to search a destination.

(a)Destination search by stored destinations

(b)Destination search by previous destinations

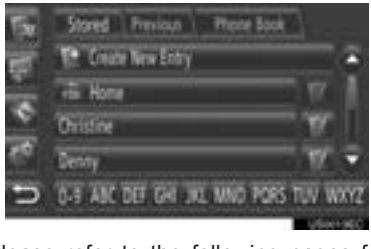
(c)Destination search by the connected phone's phone book

1 Touch **"Dest"** on the map.

2 Touch **"My Destinations"**.

- The "My Destinations" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch the tab for the desired method.



- Please refer to the following pages for a description of each operation.

DESTINATION SEARCH BY "Stored"

Destinations can be selected from the destinations registered with the system. To use this function, it is necessary to register the entry. (See page 52.)

1 Touch **"Stored"** on the "My Destinations" screen.

2 Touch the desired entry.

- Touch to display and edit the entry information. (See page 56.)

3 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- If **"Home"** has not been registered, a message will be displayed and the setting screen will automatically appear. (See page 53.)
- To route to your Home address, you can use a voice recognition command. Example: Say ***"Favorites Home"***.

DESTINATION SEARCH BY "Previous"

A destination can be selected from the past destination list.

1 Touch **"Previous"** on the "My Destinations" screen.

2 Touch the desired entry.

- Touch to display and edit the entry information. (See page 56.)

3 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- The list can contain a maximum of 100 entries. When the maximum is reached, the oldest destination is deleted, making room for the new destination to be stored in the list.

DESTINATION SEARCH BY "Phone Book"

A destination can be set using the address of a contact from the phone book of a connected cellular phone. Before using this function, connect a Bluetooth® phone with a phone profile. (See page 204.)

If a contact does not have address information stored, the entry will be dimmed.

1 Touch **"Phone Book"** on the "My Destinations" screen.

2 Touch the desired entry.

- Touch **"Search Contact"** to search by the contact's name.
- Touch to display and edit the entry information. (See page 56.)

3 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- **"Search Contact"** cannot be operated while driving.

DESTINATION SEARCH ON THE "Enter Destination" SCREEN

There are several ways to search a destination.

(a)Destination search by address

(b)Destination search by POI

(c)Destination search by advanced

1 Touch **"Dest"** on the map.

2 Touch **"Enter Destination"**.

- The "Enter Destination" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch the tab for the desired method.

- Please refer to the following pages for a description of each operation.

DESTINATION SEARCH BY "Address"

A destination can be searched using a city name or zip code.

1 Touch **"Address"** on the "Enter Destination" screen.

2 Touch **"Country"**.

3 Touch the desired country.

4 Touch **"State"** and enter the desired state (USA and Mexico) or province (Canada).

5 Touch **“City”** or **“Zip”** to enter the city name or zip code.

- When either a **“City”** or **“Zip”** is entered, the other will be entered automatically.

6 Touch **“Street”** to enter the street name.

7 Touch **“No.”** to enter the street No.

8 Touch **“Calculate Route”**.

9 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- **“Calculate Route”** can be selected once a **“City”** or **“Zip”** has been entered. If **“Calculate Route”** is touched when only **“City”** or **“Zip”** has been entered, a route search starts with the center of the city entered as the destination.
- While driving, screen buttons other than **“Country”** cannot be selected.

DESTINATION SEARCH BY “POI”

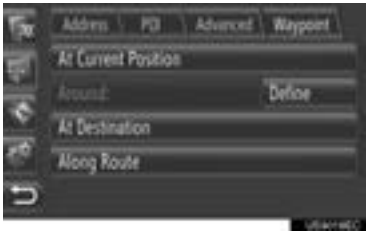
POIs in a specific area can be searched by category, name or from the map.

SEARCHING “By Category”

1 Touch **“POI”** on the “Enter Destination” screen.

2 Touch **“By Category”**.

3 Touch the desired item to search the area. (See page 38.)



4 Touch the desired category.

5 Touch for the desired item.

- If you touch the desired item, the starting route guidance screen will be displayed directly. (See page 42.)

6 Touch **"Calculate"**.

- When **"Save"** is touched, the point is registered in the "Stored" list on the "My Destinations" screen. (See page 54.)
- When is touched, the registered telephone number is called.

7 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- The POI search result list is sorted by distance to the POI. The distance can be sorted by the following methods:
  - When the search area is set to **"At Current Position"**, **"Around"** or **"Along Route"**, the distance will be calculated from the current position to the POI.
  - When the search area is set to **"At Destination"**, the distance will be calculated from the destination to the POI.

SEARCHING "By Name"

1 Touch **"POI"** on the "Enter Destination" screen.

2 Touch **"By Name"** on the "POI" screen.

3 Touch the desired item to search the area. (See page 38.)

4 Input POI name.

5 Touch **"OK"**.

6 Follow the steps "SEARCHING "By Category"" from "STEP 5". (See page 36.)

INFORMATION

- Searching **"By Name"** cannot be operated while driving.

SEARCHING “By Map”

1 Touch **“POI”** on the “Enter Destination” screen.

2 Touch **“By Map”** on the “POI” screen.

3 Touch the desired item to search the area. (See page 38.)

4 Touch the desired POI icon on the map.

5 Follow the steps “SEARCHING “By Category”” from “STEP 5”. (See page 36.)

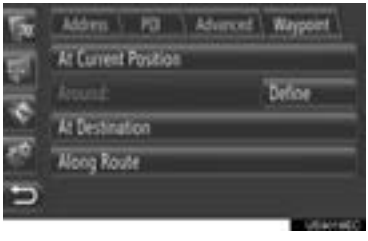
INFORMATION

- Depending on the current map scale, not all POI icons will be available for selection.

SELECTING THE SEARCH AREA

1 Touch **“By Category”**, **“By Name”** or **“By Map”**.

2 Touch the desired item to search the area.



“At Current Position”: Around the current position

“Around”: Around the defined country (See page 39.)

“At Destination”: Around the main destination

“Along Route”: Along the current route

INFORMATION

- When route guidance is not in use, **“At Destination”** and **“Along Route”** cannot be selected.
- When **“At Destination”** is selected, POIs around the destination will be searched. POIs around waypoints will not be searched.

▶Selecting **“Around”** area

If you select **“Around”**, touch **“Define”** to select the desired search area.

1 Touch **“Country”** to select a country.

2 Touch **“State”** and enter the desired state (USA and Mexico) or province (Canada).

3 Touch **“City”** or **“Zip”** to enter the name or zip code.

- When either a **“City”** or **“Zip”** is entered, the other will be entered automatically.

4 Touch **“Define as Search Area”**.

■ONLINE SEARCH

A destination can be selected via Entune service. For detailed information about “ONLINE SEARCH”, see page 81.

■FUEL PRICES

Fuel Prices function is using Entune service. It enables the navigation system to display current fuel prices and gas station locations, which can be set as a destination if desired.

For detailed information about “FUEL PRICES”, see page 83.

DESTINATION SEARCH BY "Advanced"

1 Touch **"Advanced"** on the "Enter Destination" screen.

2 Touch the desired method to search the destination.

- Please refer to the following pages for a description of each operation.

SELECTING ON MAP

1 Touch **"Select Point on Map"** on the "Advanced" screen.

2 Touch the desired point on the map.

3 Touch **"Calculate"**.

- When **"Save"** is touched, the point is registered in the "Stored" list on the "My Destinations" screen. (See page 54.)

4 The starting route guidance screen will be displayed. (See page 42.)

ENTER GEO-COORDINATES

Geo coordinates can be entered in DMS format (Degrees°, Minutes', Seconds"). Only coordinate values that can potentially exist are able to be entered. Impossible coordinate values and their relevant screen buttons will be dimmed.

1 Touch **"Enter Geo-Coordinates"** on the "Advanced" screen.

2 Touch **"N"** or **"S"**.

3 Input the latitude (Degrees°, Minutes', Seconds").

4 Touch **"W"** or **"E"**.

5 Input the longitude (Degrees°, Minutes', Seconds").

6 Touch **"OK"**.

7 Touch **"Calculate"**.

- When **"Save"** is touched, the point is registered in the "Stored" list on the "My Destinations" screen. (See page 55.)

8 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- If a destination that is not located on a road is set, the vehicle will be guided to the point on a road nearest to the destination.
- This function cannot be operated while driving.

ENTER INTERSECTION

1 Touch **"Enter Intersection"** on the "Advanced" screen.

2 Touch **"Country"** to select a country.

3 Touch **"State"** and enter the desired state (USA and Mexico) or province (Canada).

4 Touch **"City"** or **"Zip"** to enter the city name or zip code.

5 Touch **"Street"** to input the name of the first intersecting street and then touch **"OK"**.

6 Touch **"Street"** to input the name of the second intersecting street and then touch **"OK"**.

7 Touch **"Calculate Route"**.

8 The starting route guidance screen will be displayed. (See page 42.)

1. STARTING ROUTE GUIDANCE

STARTING ROUTE GUIDANCE SCREEN

After searching the destination, the starting route guidance screen will be displayed.

According to the setting, either the recommended route screen or route alternatives screen will be displayed. (See page 64.)

CAUTION

- Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may not indicate such changed information.

RECOMMENDED ROUTE SCREEN

The recommended route will be displayed on the map.

1 Touch **"Start"**.

- **"Preferences"**: Touch to adjust the route preferences for current route before starting the route guidance. (See page 43.)
- **"Avoid"**: Touch to adjust the avoidance criteria of current route before starting the route guidance. (See page 43.)

2 Starts route guidance. (See page 44.)

INFORMATION

- The default recommended route can be changed. (See page 64.)
- The arrival time or the remaining time will be displayed in the upper right area of the map. Each time the area is touched, the display switches between displaying the arrival time and remaining time.
- Distance of the entire route is displayed on the map.
- The starting route guidance screen will always be displayed in 2D North.

ROUTE ALTERNATIVES SCREEN

Three route alternatives are displayed on the map.

1 Touch one of the three route alternatives to select it.

- **"Avoid"**: Touch to adjust the avoidance criteria of current route before starting the route guidance. (See page 43.)

2 Start route guidance. (See page 44.)

INFORMATION

- The arrival time and distance of the entire route will be displayed in the list.
- The starting route guidance screen will always be displayed in 2D North.

SETTING THE ROUTE

SETTING THE ROUTE PREFERENCES

1 Touch **"Preferences"** on the starting route guidance screen.

2 Touch the desired item.

"Fast Route": Touch to calculate the fastest route.

"Short Route": Touch to calculate the shortest route.

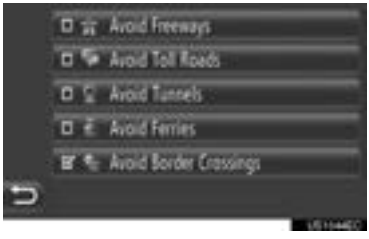
"Ecological Route": Touch to calculate an ecological route.

3 The route will be recalculated.

SETTING THE AVOIDANCE CRITERIA

1 Touch **"Avoid"** on the starting route guidance screen.

2 Touch the desired item.



"Avoid Freeways": Touch to avoid freeways.

"Avoid Toll Roads": Touch to avoid toll roads.

"Avoid Tunnels": Touch to avoid tunnels.

"Avoid Ferries": Touch to avoid ferries.

"Avoid Border Crossings": Touch to avoid border crossings.

3 Touch .

4 The route will be recalculated.

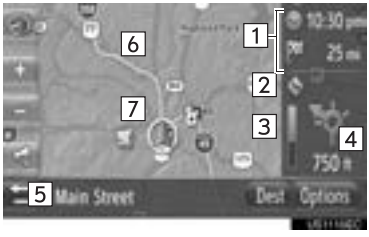
INFORMATION

- Setting the route preference and avoidance in the above method affects current route only. Route option defaults can be changed from the "Route Options" screen. (See page 64.)

2. ROUTE GUIDANCE

ROUTE GUIDANCE SCREEN

While guiding the route, the following screen will be displayed.



- On this screen, the following information is displayed.

No.	Information
1	Distance and travel/arrival time to the destination
2	Traffic message on the route (See page 84.)
3	The colored section of the bar reduces as the vehicle approaches the next turn
4	Distance to the next turn with the arrow indicating the turn direction
5	The name of the road currently being travelled on
6	Guidance route
7	Current position

SIGNPOSTS

When approaching the turn, a signpost will automatically be displayed.

LANE RECOMMENDATION

When approaching a maneuver, the lane recommendation will automatically be displayed.

INFORMATION

- If the vehicle goes off the guided route, the route will be recalculated.
- For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select a road that should not be traveled on.
- The above items will be displayed depending on the map scale.
- The displaying of the above items can be switched off. (See page 61.)

VOICE GUIDANCE

The voice guidance provides various messages as you approach an intersection, or other points where maneuvering the vehicle is necessary.

- When is touched while route guidance is active, the last navigation announcement will be repeated.
- After touching , touch “+” or “-” to adjust the volume level of the navigation announcements.
- After touching **“+”** or **“-”**, short audible information will be given to control the current volume level (e.g. turn up/turn down).

INFORMATION

- The voice guidance may not pronounce certain street names correctly or clearly due to the limitations of the text-to-speech function.
- On freeways, interstates or other highways with higher speed limits, the voice guidance will be made at earlier points than on city streets in order to allow time to maneuver the vehicle.
- If the system cannot determine the current vehicle position correctly (in cases of poor GPS signal reception), the voice guidance may be early or delayed.

CAUTION

- Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads (roads that are not completely digitized in our database). The route guidance may not have the updated information such as the direction of a one way street.

3. SETTING AND DELETING THE ROUTE

Routes can be checked, changed and recalculated during route guidance.

SETTING FROM THE “Options” SCREEN

Checking and setting routes is mainly performed from the “Options” screen.

1 Touch **“Options”**.

2 Touch the desired items.

- On this screen, the following functions can be operated.

No.	Function
1	Touch to change the map setting. (See page 61.)
2	Touch to stop the current route guidance.
3	Touch to set the route preferences and the avoidance criteria for the route calculation. (See page 47.) (The current status is displayed on the right of the item.)
4	Touch to display a list of the different segments of the route. It is also possible to define a detour. (See page 47.) (The current status is displayed on the right of the item.)
5	Touch to display the complete route.
6	Touch to block a fixed distance on the road ahead. (See page 48.) (The current status is displayed on the right of the item.)
7	Touch to display the current location, geo-coordinates and GPS information. (See page 26.)
8	Touch to display the destination’s information. (See page 48.)

SETTING THE ROUTE PREFERENCE OR AVOIDANCE CRITERIA FOR CURRENT ROUTE

1 Touch **"Route Options For Current Route"** on the "Options" screen.

2 Touch the desired item to change the route setting.

"Preferences": Touch to adjust the route preferences. (See page 43.)

"Avoid": Touch to adjust the avoidance criteria. (See page 43.)

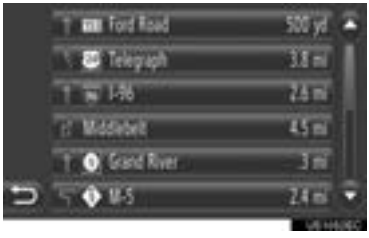
3 The route will be recalculated.

DISPLAYING THE ROUTE LIST

A list of the different segments of the route can be displayed.

1 Touch **"Route List"** on the "Options" screen.

2 Touch the desired item to display the segment.



- Guidance arrow, street name, distance to the point are displayed.

3 The detail of the segment is displayed.

or : Touch to display the next or previous segment.

- Touch **"Detour"** to detour the desired segment. (See page 51.)

BLOCK ROAD AHEAD

A fixed distance on the road ahead can be blocked.

1 Touch **"Block Road Ahead"** on the "Options" screen.

2 Touch the desired item to select the desired detour distance.

"Deactivate Block Road Ahead": Touch to deactivate the function.

"Block Next 1 mi" ~ "Block Next 12 mi": Touch to detour the next 1 mile ~ 12 miles of the current route (road).

- **"Deactivate Block Road Ahead"** can be selected when the block road ahead function has been activated.

3 The route will be recalculated.

- A blocked route will be marked in the map.
- After the blocked route has been detoured, the block road ahead function will automatically be deactivated.

DISPLAYING THE DESTINATION INFORMATION

The destination information is displayed.

1 Touch **"Destination Information"** on the "Options" screen.

2 The destination information screen will be displayed.

- On this screen, the following information is displayed.

No.	Information
1	Address of destination
2	Selected route preference
3	Selected avoidance criteria
4	Arrival time, remaining time and distance to destination
5	Address of each waypoint (if entered)

ADDING DESTINATIONS

Destinations can be added and the route changed accordingly.

1 Touch **"Dest"** on the map.

2 Touch **"Enter Destination"**.

- The "Enter Destination" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch **"Waypoint"** on the "Enter Destination" screen.

4 Touch the desired method to search the destination.

- For detailed information about searching the destination on the map, see page 33.

▶If you search the destination by **"Enter Address"**

5 Touch **"Add as Waypoint"**.

▶If you search the destination by **"Select Point on Map"** or **"Enter Geo-Coordinates"**

5 Touch **"Add"**.

▶If you search the destination by the other methods

5 Touch the desired entry.

6 Touch **"Insert Waypoint"** to select the position of the waypoint.

7 The route will be recalculated.

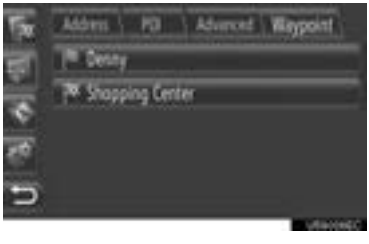
INFORMATION

- In addition to the main destination, a maximum of 4 waypoints can be set.
- The main destination is marked by , the waypoints are marked by .

EDITING DESTINATIONS

1 Touch **“Show Destination List”** on the “Waypoint” screen.

2 Touch the desired destination to be edited.



3 Touch desired item.

- On this screen, the following functions can be operated.

No.	Function
1	Touch to register the point in the “Stored” list on the “My Destinations” screen. (See page 55.)
2	Touch to change the order of the destinations. Touch or to move the destination up or down the order displayed on the next screen.
3	Touch to delete the destination.
4	Touch to delete all waypoints.

INFORMATION

- If the main destination is deleted, the last waypoint before the deleted destination will become the new main destination.

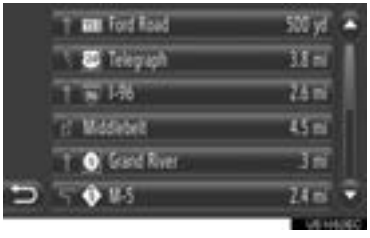
DETOURING A SEGMENT ON THE ROUTE

When detouring a segment, the detour route can be changed.

DETOURING THE SEGMENT

1 Display the route list. (See page 47.)

2 Touch the desired segment to detour.



3 Touch **"Detour"**.

or : Touch to display the next or previous segment.

4 The route will be recalculated.

CANCELLING THE DETOURED SEGMENT

1 Display the route list. (See page 47.)

2 Touch **"Detours"**.

3 Touch **"Detour Off"**.

- If there is more than one point to detour, a list of points to detour will be displayed. Select points from the list to cancel detouring them.

4 The route will be recalculated.

1. REGISTERING AN ENTRY

REGISTERING A NEW ENTRY

Up to 200 destinations can be registered with this system.

INFORMATION

- This function cannot be operated while driving.

REGISTERING FROM THE “My Destinations” SCREEN

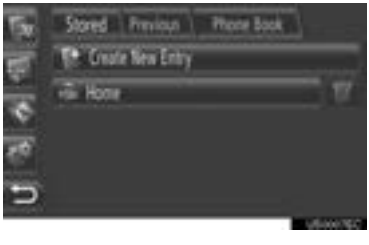
1 Touch **“Dest”** on the map.

2 Touch **“My Destinations”**.

- The “My Destinations” screen can be displayed by touching on any of the “Navigation” screens.

3 Touch **“Stored”** on the “My Destinations” screen.

4 Touch **“Create New Entry”**.



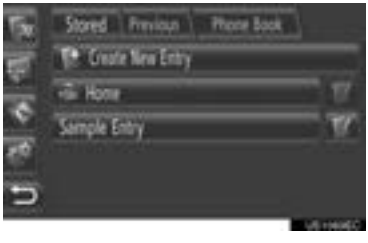
5 Input the entry address. (See page 35.)

6 Touch **“Save New Entry”**.

7 Input the entry name.

8 Touch **“OK”**.

9 The entry is saved in the “Stored” list.

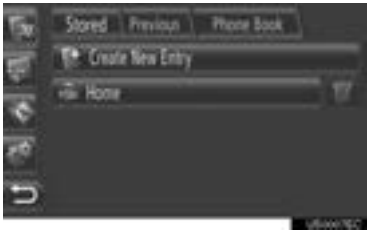


- Touch to display and edit the entry information. (See page 56.)

REGISTERING "Home"

If **"Home"** has not been registered, touching **"Home"** allows a home address to be registered.

1 Touch **"Home"**.



2 Touch **"Yes"**.

3 Touch the desired method to search the point.

- For details about searching the point on the map, see page 33.

▶If you search the destination by **"Enter Address"**

4 Touch **"Save as Home Address"**.

▶If you search the destination by **"Select Point on Map"** or **"Enter Geo-Coordinates"**

4 Touch **"Save"**.

▶If you search the destination by the other methods

4 Touch the desired entry from the list.

5 The entry is registered as **"Home"** in the "Stored" list.

- For security reasons, use a point close to your home instead of your actual home address.
- Touch to display and edit the entry information. (See page 56.)

INFORMATION

- To route to your Home address, you can use a voice recognition command. Example: Say ***"Favorites Home"***.

REGISTERING FROM THE MAP

1 Touch the desired point on the map.

2 Touch **“Save”**.

3 Follow the steps “REGISTERING FROM THE “My Destinations” SCREEN” from “STEP 7”. (See page 52.)

REGISTERING FROM POI

1 Search the point by “POI”. (See pages 32 and 36.)

2 Touch **“Save”**.

3 Follow the steps “REGISTERING FROM THE “My Destinations” SCREEN” from “STEP 7”. (See page 52.)

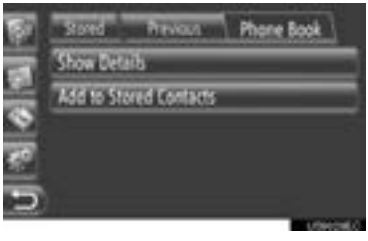
REGISTERING FROM THE LIST

REGISTERING FROM THE LIST ON THE “Previous” OR “Phone Book” SCREEN

1 Search the point by “Previous” or “Phone Book”. (See page 34.)

2 Touch next to the desired item.

3 Touch **“Add to Stored Contacts”**.



4 Follow the steps “REGISTERING FROM THE “My Destinations” SCREEN” from “STEP 7”. (See page 52.)

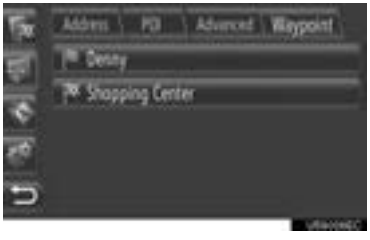
INFORMATION

- If the contact includes an address and a phone number, they will be stored in the “Stored” list on the “My Destinations” screen and “Contacts” screen. (See pages 52 and 163.)

REGISTERING FROM THE DESTINATION LIST

1 Display the "Show Destination List" screen. (See page 50.)

2 Touch the desired destination.



3 Touch **"Add to Stored Contacts"**.

4 Follow the steps "REGISTERING FROM THE "My Destinations" SCREEN" from "STEP 7". (See page 52.)

REGISTERING FROM GEO-COORDINATES

1 Search the point by **"Enter Geo-Coordinates"**. (See page 41.)

2 Touch **"Save"**.

3 Follow the steps "REGISTERING FROM THE "My Destinations" SCREEN" from "STEP 7". (See page 52.)

LOADING SAVED DESTINATIONS FROM A PHONE

Address and number will be stored in the "Stored" list on the "My Destinations" screen and "Contacts" screen. (See pages 52 and 163.) For detailed information about "LOADING SAVED DESTINATIONS FROM A PHONE", see page 89.

2. DISPLAYING AND EDITING THE ENTRY INFORMATION

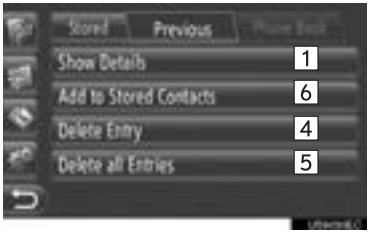
DISPLAYING AND EDITING THE ENTRY INFORMATION

Detailed information of entries in the list can be displayed or edited.

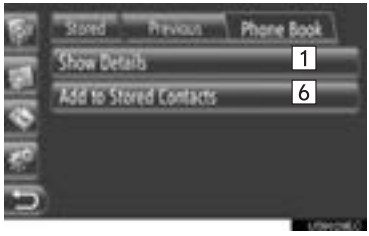
1 Touch next to the desired item on the “My Destinations” screen.

▶The entry options screen of “Stored” list

▶The entry options screen of “Previous” list



▶The entry options screen of “Phone Book” list



- On this screen, the following functions can be operated.

No.	Function
1	Touch to display the details of the entry information. (See page 57.)
2	Touch to change the entry name. (See page 57.)
3	Touch to edit the address. (See page 57.)
4	Touch to delete the entry.
5	Touch to delete all entries.
6	Touch to register the entry in the “Stored” list on the “My Destinations” screen and “Contacts” screen. (See page 54.)

SHOW DETAILS OF THE ENTRY

1 Touch **"Show Details"** on the entry options screen.

2 This screen will be displayed.

- The address will be marked on the map.
- The address and a picture, if available, of the contact from the system's phone book will be displayed.

- When you touch **"Start"**, the starting route guidance screen will be displayed.

CHANGING THE ENTRY NAME

1 Touch **"Rename XX"** on the entry options screen.

2 Input the new name.

3 Touch **"OK"**.

INFORMATION

- This function cannot be operated while driving.

EDITING THE ADDRESS

1 Touch **"Edit Address"** on the entry options screen.

2 Input the new address. (See page 35.)

3 Touch **"Save Changes"**.

INFORMATION

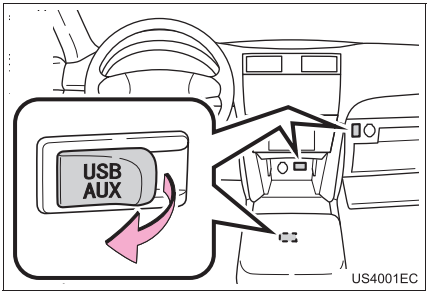
- This function cannot be operated while driving.
- If an entry that is transferred from a cellular phone is edited, the change will affect the entry in the "Stored" list on the "My Destinations" screen and "Contacts" screen. (See pages 52 and 163.)

3. SENDING/RESTORING STORED CONTACTS USING A USB MEMORY

SENDING STORED CONTACTS TO A USB MEMORY

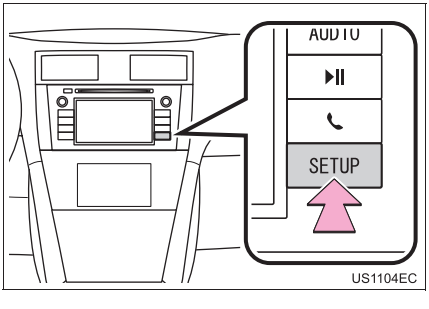
The entries stored in the “Stored” list on the “My Destinations” screen and “Contacts” screen (See pages 52 and 163.) can be transferred to a USB memory.

1 Open the cover of the USB/AUX port and connect a USB memory.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *“Owner’s Manual”*.

2 Press the **“SETUP”** button.



3 Touch **“General”**.

4 Touch **“Stored Contacts Backup”**.

5 Touch **“Backup Stored Contacts to USB”**.

6 The following screen will be displayed while sending the data.

7 The following screen will be displayed when sending data to the USB memory is complete.

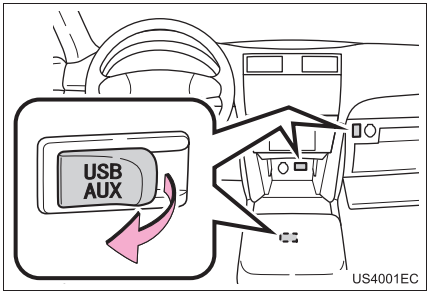
INFORMATION

- Downloading may not complete correctly in the following cases:
  - If the engine switch is turned off during downloading
  - If the USB memory is removed before downloading is complete

RESTORING STORED CONTACTS FROM A USB MEMORY

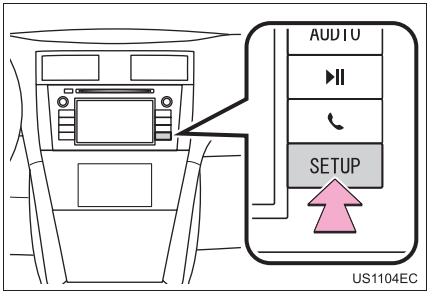
Backed-up data can be transferred from a USB memory to this system. Transferred addresses and numbers will be stored in the "Stored" list on the "My Destinations" screen and "Contacts" screen. (See pages 52 and 163.)

1 Open the cover of the USB/AUX port and connect a USB memory.



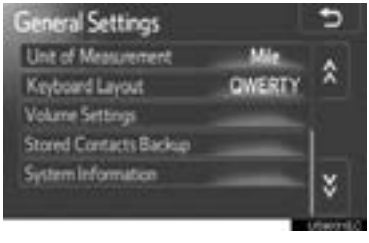
- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

2 Press the **"SETUP"** button.



3 Touch **"General"**.

4 Touch **"Stored Contacts Backup"**.



5 Touch **"Restore Contact Backup from USB"**.

6 The following screen will be displayed while loading the data.

7 The following screen will be displayed when loading the data to the system is complete.

INFORMATION

- Downloading may not complete correctly in the following cases:
  - If the engine switch is turned off during downloading
  - If the USB memory is removed before downloading is complete

1. MAP SETTINGS

SETTING THE MAP

1 Touch **“Options”**.

2 Touch **“Map Settings”**.

3 Touch the item to be set.

- On this screen, the following functions can be set.

No.	Function
1	Touch to change the map layout. (See page 28.)
2	Touch to set the display of POI icon categories. (See page 62.)
3	Touch to change the vehicle icon. (See page 62.)
4	Touch to change the screen to **“Day”** or **“Night”**. (See page 63.)
5	Touch to change the estimated time between **“Arrival Time/Distance”** and **“Remaining Time/Distance”** to the destination. (See page 63.)
6	Touch to set the display of the route guidance arrow on or off. (See page 44.)
7	Touch to set the display of the name of the road currently being travelled on to on or off. (See page 44.)
8	Touch to set the display of signposts on or off. (See page 44.)
9	Touch to set the display of the lane recommendation on or off. (See page 44.)
10	Touch to set the display of the traffic message icons on or off. (See page 44.)

INFORMATION

- The current setting of each item is displayed on its right.
- Selected item’s checkboxes will change to ☑ when the item has been selected. All selected items will be activated simultaneously.

POIs ON MAP

POI categories displayed on the map can be selected.

1 Touch **"POIs on Map"** on the "Map Settings" screen.

2 Select the POI categories.

- On this screen, the following functions can be operated.

No.	Function
1	Touch to display all categories.
2	Touch to hide all icons.
3	Touch to display the selected icons.

3 Touch .

INFORMATION

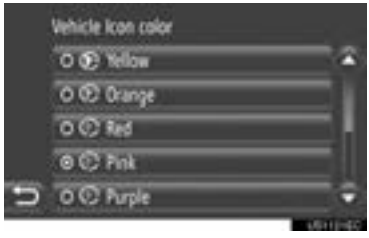
- The system can display both generic and branded POI icons. (See page 29.)

VEHICLE ICONS

The vehicle icon can be changed.

1 Touch **"Vehicle Icons"** on the "Map Settings" screen.

2 Touch the desired icon.



3 Touch .

DAY/NIGHT MODE

The screen can be changed to day mode or night mode.

1 Touch **"Day/Night Mode"** on the "Map Settings" screen.

2 Touch the desired item.

"Automatic": Touch to change the screen to day or night mode depending on the position of the headlight switch.

"Day": Touch to always display the map in day mode.

"Night": Touch to always display the map in night mode.

3 Touch .

INFORMATION

- If set to **"Automatic"**, the **"Day Mode"** setting on the "Display Settings" screen (See page 201.) will take priority.

ARRIVAL INFORMATION

The estimated time to the destination can be changed between arrival time/distance and remaining time/distance. It can also be turned off.

1 Touch **"Arrival Information"** on the "Map Settings" screen.

2 Touch the desired item.

"Off": Touch to turn off the estimated time/distance.

"Arrival Time/Distance": Touch to display the arrival time in the upper right area of the map. The distance to the destination will also be displayed.

"Remaining Time/Distance": Touch to display the remaining time to reach the destination in the upper right area of the map. The distance to the destination will also be displayed.

3 Touch .

2. ROUTE SETTINGS

SETTING THE ROUTE OPTIONS

SETTING THE ROUTE CALCULATION

The route preferences for the route calculation can be set.

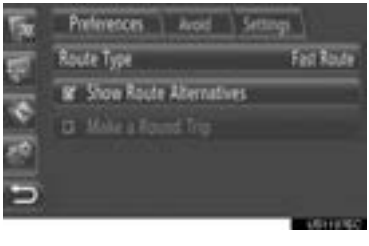
1 Touch **"Dest"** on the map.

2 Touch **"Route Options"**.

- The "Route Options" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch **"Preferences"** on the "Route Options" screen.

4 Touch the desired item.



"Route Type": Touch to select the route type between **"Fast Route"**, **"Short Route"** and **"Ecological Route"**.

"Show Route Alternatives": Touch to display 3 routes (fastest, shortest and ecological) on the map after a route calculation.

"Make a Round Trip": Touch to have the route automatically calculated back to the starting point after the set destination has been reached.

- Entered waypoints will also be considered on the way back to the starting point.

5 Touch .

INFORMATION

- **"Show Route Alternatives"** and **"Make a Round Trip"** are not selectable at the same time.

SETTING THE AVOIDANCE CRITERIA FOR THE ROUTE CALCULATION

The avoidance criteria for the route calculation can be set.

1 Touch **"Dest"** on the map.

2 Touch **"Route Options"**.

- The "Route Options" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch **"Avoid"** on the "Route Options" screen.

4 Touch the desired item.

"Avoid Freeways": Touch to avoid freeways.

"Avoid Toll Roads": Touch to avoid toll roads.

"Avoid Tunnels": Touch to avoid tunnels.

"Avoid Ferries": Touch to avoid ferries.

"Avoid Border Crossings": Touch to avoid border crossings.

5 Touch .

1. LIMITATIONS OF THE NAVIGATION SYSTEM

This navigation system calculates the current vehicle position using satellite signals, various vehicle signals, map data, etc. However, an accurate position may not be shown depending on satellite condition, road configuration, vehicle condition or other circumstances.

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current vehicle position, normally using 4 or more satellites, and in some case 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system will compensate for this most of the time, occasional positioning errors of up to 300 feet (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map display. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.

NOTICE

- The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception of the antenna. We advise against the use of window tinting on vehicles equipped with navigation systems.

- Accurate current vehicle position may not be shown in the following cases:
  - When driving on a small angled Y-shaped road.
  - When driving on a winding road.
  - When driving on a slippery road such as in sand, gravel, snow, etc.
  - When driving on a long straight road.
  - When motorway and surface streets run in parallel.
  - After moving by ferry or vehicle carrier.
  - When a long route is searched during high speed driving.
  - When driving without setting the current position calibration correctly.
  - After repeating a change of direction by going forward and backward, or turning on a turntable in the parking lot.
  - When leaving a covered parking lot or parking garage.
  - When a roof carrier is installed.
  - When driving with tire chains installed.
  - When the tires are worn.
  - After replacing a tire or tires.
  - When using tires that are smaller or larger than the factory specifications.
  - When the tire pressure in any of the four tires is not correct.

- Inappropriate route guidance may occur in the following cases:
  - When turning at an intersection off the designated route guidance.
  - If you set more than one destination but skip one of them, auto reroute will display a route returning to the destination that was skipped.
  - When turning at an intersection for which there is no route guidance.
  - When passing through an intersection for which there is no route guidance.
  - During auto reroute, the route guidance may not be available for the next turn to the right or left.
  - It may take a long time to operate auto reroute during high speed driving. In auto reroute, a detour route may be shown.
  - After auto reroute, the route may not be changed.
  - An unnecessary U-turn may be shown or announced.
  - A location may have multiple names and the system will announce one or more.
  - Some routes may not be searched.
  - If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
  - Your destination point might be shown on the opposite side of the street.
  - When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
  - The road and map data stored in the navigation system may not be complete or may not be the latest version.

INFORMATION

- This navigation system uses tire turning data and is designed to work with factory-specified tires for the vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current vehicle position. The tire pressure also affects the diameter of the tires so make sure the tire pressure of all four tires is correct.

2. MAP INFORMATION

END-USER TERMS

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3

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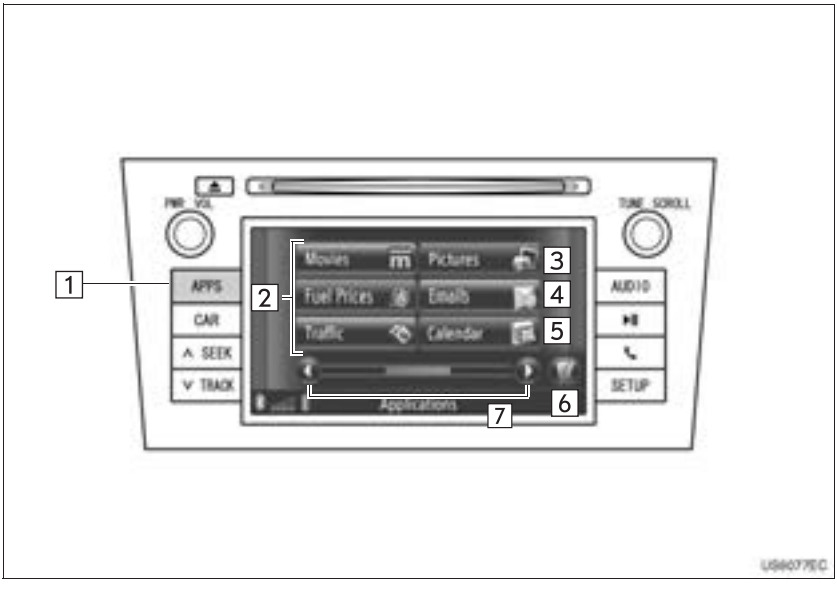
1. QUICK REFERENCE

The navigation application and several other applications can be accessed by pressing the **"APPS"** button.

When the **"APPS"** button is pressed, the "Applications" menu screen that was last displayed is returned to. Touch to display the "Applications" menu screen.

▶"Applications" menu screen



- The actual design and button position will differ depending on the vehicle and availability of Entune. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

No.	Function	Page
1	Press to display a list of applications.	—
2	Touch to access the applications.	81, 83, 91
3	Touch to view pictures stored on a USB memory.	73
4	Touch to display the connected phone's Emails.	75
5	Touch to access the connected phone's calendar, tasks and notes.	77
6	Touch to close the applications.	91
7	Touch to shift to the next or previous page.	—

2. PICTURE SLIDESHOW

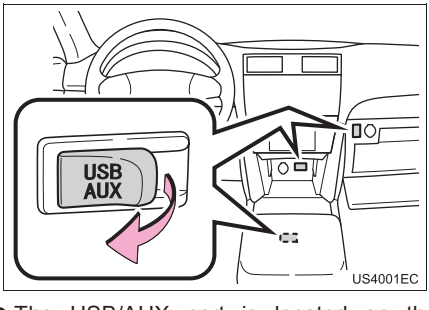
When the vehicle is stopped, pictures stored on a USB memory can be viewed.

INFORMATION

- Images cannot be viewed while driving.
- When the vehicle starts moving while viewing pictures, a pop-up window will be displayed and pictures cannot be displayed. Touch **"Previous"** to return to the previous screen.
- Available image data format: JPEG, PNG and BMP

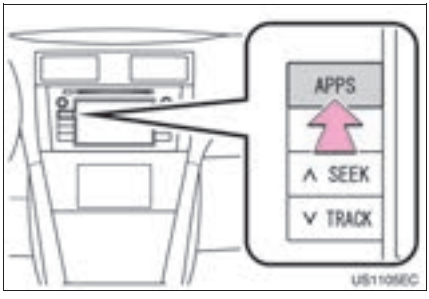
DISPLAYING THE PICTURES

1 Open the cover of the USB/AUX port and connect a USB memory.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

2 Press the **"APPS"** button to display the "Applications" menu screen.



- If the "Applications" menu screen is not displayed, touch until it is displayed.

3 Touch **"Pictures"**.

4 The slideshow starts automatically.

: Touch to stop the slideshow.

INFORMATION

- All readable pictures on the device are displayed in chronological order. The slideshow will repeat when it is finished.
- The pictures will be changed every few seconds.

PLAYING PICTURE SLIDESHOWS

A slideshow can be played, paused, and desired images can be selected.

1 Touch **"Show"**.

2 Operating switches will be displayed.

"Hide": Touch to close the slideshow options.

: Touch to pause the slideshow.

: Touch to play the slideshow again.

: Touch to display the previous picture.

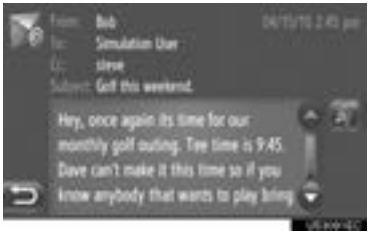
: Touch to display the next picture.

INFORMATION

- When the slideshow is playing, the pause and skip screen buttons disappear automatically after a few seconds.

3. EMAIL

Incoming Emails to a connected Bluetooth® phone can be downloaded. Before using this application, connect a Bluetooth® phone with a phone profile. (See page 204.)



INFORMATION

- The Email feature relies on the capability of the specific phone. On most phones the transfer capability is not enabled in the correct format to work with the Entune system.
- Emails cannot be sent using this function.
- Downloading may not complete correctly if the engine switch is turned off during downloading.

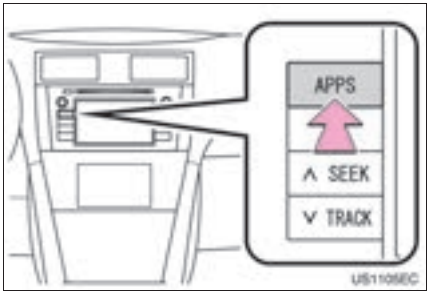
NEW EMAIL NOTIFICATION POP-UP WINDOW

When a new Email is received, a pop-up window is displayed on the screen.

- This function can be set to **"On"** or **"Off"**. (See page 213.)

CHECKING EMAIL

1 Press the **"APPS"** button to display the "Applications" menu screen.



- If the "Applications" menu screen is not displayed, touch until it is displayed.

2 Touch **"Emails"**.

- When the downloading of an Email has been completed, the mail list will be displayed.

3 Touch the desired Email.

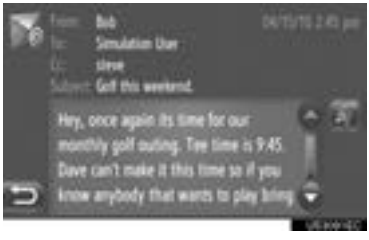
- The state of an Email is shown by the following icons.

: Unread mail

: Read mail

: Important mail

4 The text of the Email is displayed.



: Touch to have the Email read out.

To cancel this function, touch .

4. CALENDAR

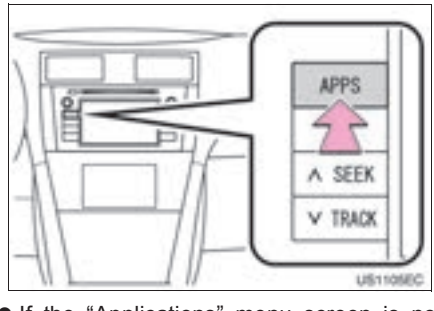
Calendar entries, tasks and notes from a connected Bluetooth® phone can be downloaded. Before using this application, connect a Bluetooth® phone with a phone profile. (See page 204.)

INFORMATION

- This function may not be available depending on the phone.
- Calendar entries cannot be edited using this function.
- Downloading may not complete correctly if the engine switch is turned off during downloading.

CHECKING CALENDAR

1 Press the **"APPS"** button to display the "Applications" menu screen.

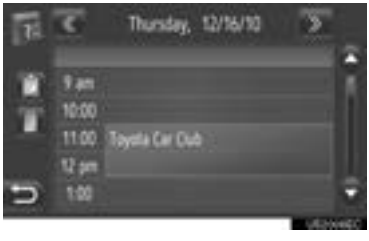


- If the "Applications" menu screen is not displayed, touch until it is displayed.

2 Touch **"Calendar"**.

- When the downloading of the calendar is complete, the current day's calendar entries will be displayed.

3 When a displayed schedule entry is touched, the entry's detailed information is displayed.



: Touch to display the previous day's schedule.

: Touch to display the following day's schedule.

: Touch to display the current day's tasks.

: Touch to display the notes.

1. ENTUNE SERVICE*

BEFORE USING ENTUNE

USER REGISTRATION

When purchasing the vehicle, an email address is registered at your Toyota dealer. If your email address was not registered at your Toyota dealer, your email address can be registered at the Entune website. A user registration guidance email containing a web address will be sent.

1 Perform user registration from the designated web address in the guidance email or go to http://www.toyota.com and follow the Entune registration links.

REGISTERING THE DOWNLOADED ENTUNE APPLICATION

1 Download the Entune application using your cellular phone.

2 Run the Entune application on your cellular phone.

3 Enter a user name and password into the Entune application on your cellular phone.

*: Entune is available in the 48 states, D.C. and Alaska.

INFORMATION

- If your email address was not registered at your Toyota dealer when the vehicle was purchased, an email address can be registered at http://www.toyota.com/entune/.
- Entune operational procedures can also be confirmed by visiting http://www.toyota.com/entune/.
- This system supports the following service.
  - Bluetooth® Specification
    Ver.1.1 or higher
    (Recommended: Ver.2.1 + EDR or higher)
  - Profiles
    HFP (Hands Free Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.5 or higher)
    DUN (Dial-Up Networking Profile)
    Ver.1.1 or higher
    PAN (Personal Area Network)
    Ver. 1.0
    PBAP (Phone Book Access Profile)
    Ver.1.0 or higher
    SPP (Serial Port Profile)
    MAP (Message Access Profile)
  - Application
    PIM (Personal Information Manager)
- If your cellular phone does not support HFP, you cannot register the Bluetooth® phone, or use DUN/PAN or PBAP profiles individually.
- If the connected Bluetooth® phone version is older than recommended or incompatible, this function may not be used.

AVAILABILITY OF SERVICE

- Entune is available in the 48 states, D.C. and Alaska.

INFORMATION

- When using Entune, depending on the details of your cellular phone contract, data usage fees may apply. Confirm data usage fees before using this service.
- In this section, the required operations to activate application, connect a cellular phone to the navigation system and registration steps for Entune are explained. For details regarding Entune operations and each of the application, refer to http://www.toyota.com/entune/.

INITIALIZING PERSONAL DATA

The personal data used in application can be reset. (See “DELETE PERSONAL DATA” on page 199.)

- The following personal data can be deleted and returned to their default settings:
  - Downloaded contents
  - Radio stations that were listened to
  - Input history

INFORMATION

- Once initialized, data will be erased. Pay close attention when initializing the data.

2. OPERATING NAVIGATION FUNCTION USING ENTUNE SERVICE

ONLINE SEARCH

A destination can be selected via online search.

Before using this function, connect a Bluetooth® phone with an internet profile. (See page 204.)

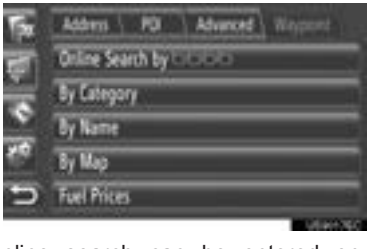
1 Touch **"Dest"** on the map.

2 Touch **"Enter Destination"**.

- The "Enter Destination" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch **"POI"** on the "Enter Destination" screen.

4 Touch **"Online Search by Xxxx"**.



- Online search can be entered on the "Applications" menu screen.

5 Touch **"Search Area"**.

6 Select the desired search area.

"At Current Position": Touch to define the area at the current position.

"Define City": Touch to define the area by city name. Input the city name and then touch **"OK"**.

"From Map": Touch to define the area on map. Touch the desired city on the map and then touch **"Select"**.

"At Destination": Touch to define the area around the main destination. When route guidance is not in use, **"At Destination"** cannot be selected.

7 Touch **"Enter Search Word"**.

8 Input the search word and then touch **"OK"**.

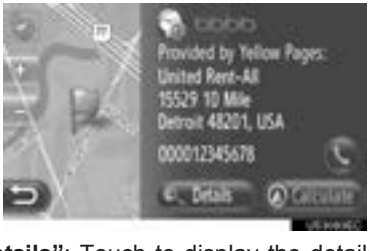
9 The search results will be displayed. Touch the desired item.

- Up to 20 items will be searched when performing an online search.

"Previous Results": Touch to display the previous result.

"Next Results": Touch to display the next result.

10 Touch **"Calculate"**.



"Details": Touch to display the details of the point information.

: Touch to call the registered telephone number.

11 The starting route guidance screen will be displayed. (See page 42.)

INFORMATION

- The color of indicates if online connection is active or not. After a timeout of 1 minute, an active online connection will automatically be terminated.

FUEL PRICES

It enables the navigation system to display current fuel prices and gas station locations, which can be set as a destination if desired.

Before using this function, connect a Bluetooth® phone with an internet profile. (See page 204.)

1 Touch **"Dest"** on the map.

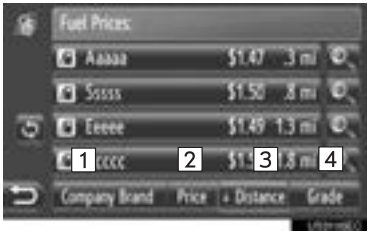
2 Touch **"Enter Destination"**.

- The "Enter Destination" screen can be displayed by touching on any of the "Navigation" screens.

3 Touch **"POI"** on the "Enter Destination" screen.

4 Touch **"Fuel Prices"** on the "POI" screen.

5 Touch for the desired item.



- On this screen, the following functions can be operated.

No.	Function
1	Touch to display search result list sorted by company brand.
2	Touch to display search result list sorted by the price.
3	Touch to display search result list sorted by the distance.
4	Touch to select the desired fuel type.

- If you touch the desired item, the starting route guidance screen will be displayed directly. (See page 42.)

6 Touch **"Calculate"**.

- When **"Save"** is touched, the point is registered in the "Stored" list on the "My Destinations" screen. (See page 54.)
- When is touched, the registered telephone number is called.

7 The starting route guidance screen will be displayed. (See page 42.)

TRAFFIC MESSAGES

It contains a list of traffic messages relating to the set route, all traffic messages and warnings.

Before using this function, connect a Bluetooth® phone with an internet profile. (See page 204.)

DISPLAYING TRAFFIC MESSAGES

1 Touch **"Dest"** on the map.

2 Touch **"Traffic Messages"**.

- The "Traffic Messages" screen can be displayed by touching on any of the "Navigation" screens or **"Traffic"** on the "Applications" menu screen.

3 Touch **"On Route"**, **"Show All"** or **"Warnings"** to select the desired list.

"On Route": During route guidance, the traffic messages relating to the set route will be displayed.

"Show All": All traffic messages will be displayed.

"Warnings": Traffic messages with warnings will be displayed.

4 Touch the desired message.

- On this screen, the following information is displayed.

No.	Information
1	Street number
2	Route segment If route segment is not available, information such as street name, city name, region or country will be displayed.
3	: Icon of an incident : Icon of an incident on the route : Icon of an incident on the detoured route
4	Distance to incident

5 The traffic message will be displayed.

or : Touch to display next or previous traffic message.

: Touch to have the traffic message read out. To cancel this function, touch .

"More": Touch to display all messages.

LIST OF TRAFFIC MESSAGE ICONS

Icon	Name
	Slippery
	Bad weather
	Wind
	Snow fall
	Traffic
	Heavy traffic
	Accident
	Road construction
	Narrow track
	Warning
	Blockage
	Security checkpoint
	Information

DETOURING A SEGMENT FROM A TRAFFIC MESSAGE LIST

If a traffic message relates to the route being travelled, the desired segment can be detoured.

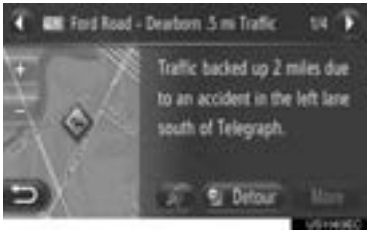
DETOURING THE SEGMENT

1 Displaying the traffic information list. (See page 84.)

2 Touch **"On Route"** on the "Traffic Messages" screen.

3 Touch the desired segment to detour.

4 Touch **"Detour"**.



or : Touch to display the next or previous message.

: Touch to have the traffic message read out. To cancel this function, touch .

"More": Touch to display all traffic messages.

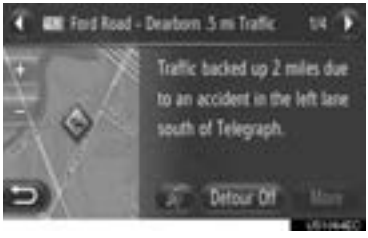
5 The route will be recalculated.

- The mark of the TMC on the "On Route" screen changes into .

CANCELLING THE DETOURED SEGMENT

1 Touch the detoured segment on the "On Route" screen.

2 Touch **"Detour Off"**.



or : Touch to display the next or previous message.

: Touch to have the traffic message read out. To cancel this function, touch .

"More": Touch to display all traffic messages.

3 The route will be recalculated.

- The mark of the TMC on the "On Route" screen changes to .

RECALCULATING THE ROUTE BY THE TRAFFIC MESSAGES

You will be informed about relevant traffic messages on the route by a pop-up window.

A pop-up window may differ depending on the traffic message settings. (See page 89.)

IF “Automatic” IS SELECTED

1 The following screen will be displayed.

2 The route will be recalculated automatically.

IF “Manual” IS SELECTED

1 The following screen will be displayed.

“Consider”: Touch to display with the current route, the TMC event and the suggested detour.

“Ignore”: Touch to ignore the message.

▶If **“Consider”** is selected

2 Touch **“Ignore”** or **“Detour”**.

“Ignore”: Touch to ignore the message.

“Detour”: Touch to recalculate the route.

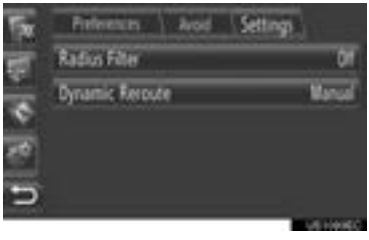
TRAFFIC MESSAGE SETTINGS

1 Touch **“Dest”** on the map.

2 Touch **“Route Options”**.

- The “Route Options” screen can be displayed by touching on any of the “Navigation” screens.

3 Touch **“Settings”**.



- Please refer to the following pages for a description of each setting.

SETTING “Radius Filter”

Once the radius filter has been set, only traffic messages within the radius will be displayed in the traffic message list.

1 Touch **“Radius Filter”** on the “Settings” screen.

2 Touch desired item.

“Off”: Touch to deactivate the function.
“6 mi” ~ “60 mi”: Touch to set the radius from 6 miles to 60 miles.

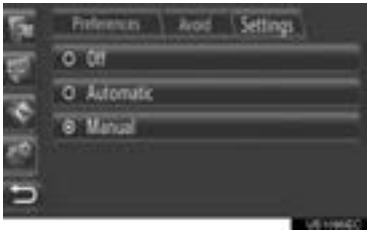
3 Touch .

SETTING “Dynamic Reroute”

The method of reroute can be set.

1 Touch **“Dynamic Reroute”** on the “Settings” screen.

2 Touch the desired item.



“Off”: Touch to disable receiving traffic messages and no reroute will be calculated.

“Automatic”: Touch to enable relevant traffic messages on the route to be displayed as a pop-up window and activate automatic reroute calculation.

“Manual”: Touch to enable relevant traffic messages on the route to be displayed as a pop-up window but disable automatic reroute calculation. The user decides if reroute calculation is desirable or not.

3 Touch .

LOADING SAVED DESTINATIONS FROM A PHONE

Addresses and numbers will be stored in the “Stored” list on the “My Destinations” screen and “Contacts” screen. (See pages 52 and 163.)

1 Touch **“Dest”** on the map.

2 Touch **“Enter Destination”**.

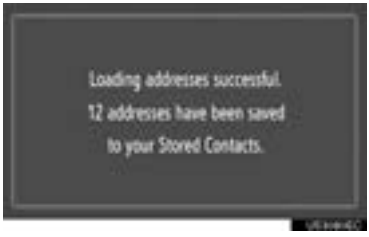
- The “Enter Destination” screen can be displayed by touching on any of the “Navigation” screens.

3 Touch **“Advanced”** on the “Enter Destination” screen.

4 Touch **“Load Saved Destinations from Phone”**.

- When the cost warning or roaming warning screen is displayed, touch **“Continue”**. This function can be set to on or off. (See page 212.)

5 The following screen will be displayed when loading is complete.



6 The entry is registered in the “Stored” list on the “My Destinations” screen and “Contacts” screen. (See pages 52 and 163.)

NOTICE

- Do not turn off the engine while downloading.

INFORMATION

- If a message similar to the one below is displayed, delete X item(s) in the “Stored” list on the “My Destinations” screen and “Contacts” screen to make room for the new destination(s). (See pages 56 and 166.)

3. OPERATING AN APPLICATION USING ENTUNE SERVICE

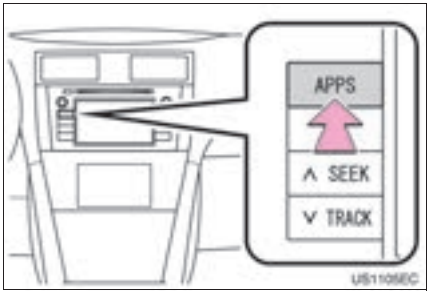
OPERATING AN APPLICATION

Before using applications, connect the Bluetooth® phone with an internet profile. (See page 204.) If a Bluetooth® connection with an internet profile is not currently active, applications will be dimmed.

OPENING/CLOSING AN APPLICATION

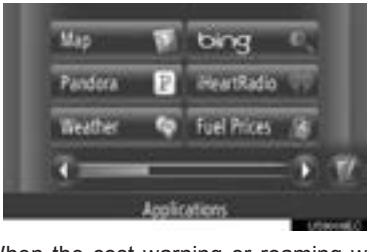
OPENING AN APPLICATION

1 Press the **"APPS"** button to display the "Applications" menu screen.



- If the "Applications" menu screen is not displayed, touch until it is displayed.

2 Touch the desired application.



- When the cost warning or roaming warning screen is displayed, touch **"Continue"**. This function can be set to on or off. (See page 212.)
- Several downloaded applications can be opened at the same time and the desired application can be selected.
- is displayed on the left side of application names that are currently open.

3 The application is opened.

(on some applications): Touch to update the data

CLOSING AN APPLICATION

1 Touch .

2 Touch **"Close"** on the right side of the application to be closed.

: Touch to display the application information.

IF A MESSAGE APPEARS ON THE SCREEN

When problems occur starting up the application player, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

Message	Display conditions	Corrective action
“Connection has failed.”	Bluetooth® connection has failed.	Please check your Bluetooth® settings on your phone and confirm your device is paired to the system. Refer to http://www.toyota.com/entune/ to confirm if the phone is compatible or not.
“Connection has failed. Please ensure that the Entune app is running on your device.”	Entune app connection cannot be established.	Please check that your Entune app is running and logged in with correct login credentials on your device. If you manually **“Disconnect”** from your vehicle on your Entune app on your device, you may need to touch **“Connect to Vehicle”** on your Entune app Options to recover connection to vehicle. For Apple users: Do not use **“Connect for Internet”**. Instead attach your Apple USB Dock Connector (aka charging cable) to the vehicles USB port to access internet functions.
“User Login Information Incorrect.”	Entune login credentials are incorrect for the service.	Please check that your Entune app is logged in with the correct credentials for the system.
“Search Provider not available.”	Data connection was disconnected.	After a few moments, retry the operation. If unsuccessful, please confirm your device is paired and connected to the system. Refer to http://www.toyota.com/entune/ to confirm if the phone is compatible or not.
“Service Provider unavailable. Please check your Internet connection.”	Data connection was disconnected.	After a few moments, retry the operation. If unsuccessful, please confirm your device is paired and connected to the system. Refer to http://www.toyota.com/entune/ to confirm if the phone is compatible or not.

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AUDIO SYSTEM

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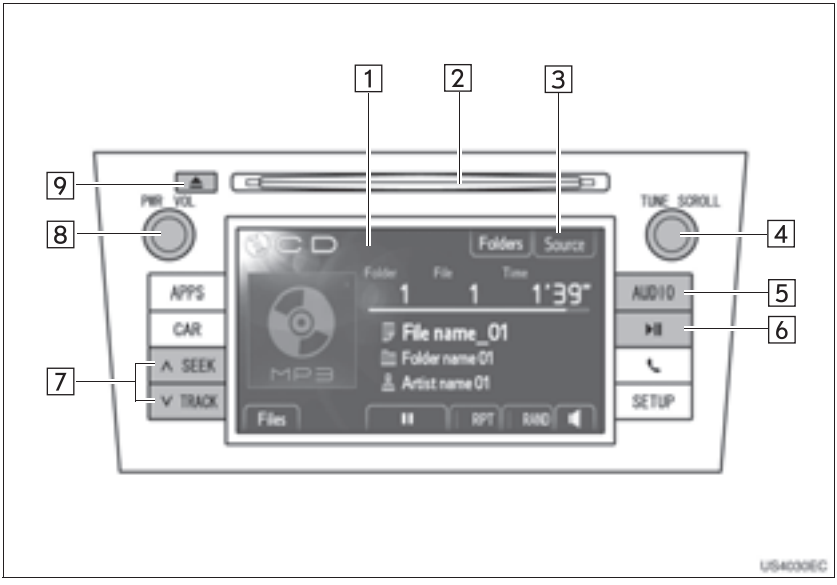
1. QUICK REFERENCE

To access the audio system, press the **"AUDIO"** button. The audio system turns on in the last mode used.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

No.	Name	Function	Page
1	Audio control screen	A selected audio source is displayed, and it can be operated with the touch screen controls.	—
2	Disc slot	Insert a disc into this slot. The CD player turns on immediately.	113
3	"Source"	Touch to select your desired audio sources. The audio source selection screen will be displayed.	99
4	"TUNE SCROLL" knob	Turn to select radio station bands, tracks and files. Also, the knob can be used for selection from the list display.	99
5	"AUDIO" button	Press to display the audio control screen. The audio system turns on in the last mode used.	98, 99
6	⏯ button*	Press to pause or resume playing the music.	—

No.	Name	Function	Page
7	“SEEK/TRACK” button	Press the “∧” or “∨” button to seek up or down for a station, or to access a desired track or file.	103, 110, 115, 117, 120, 134
8	“PWR VOL” knob	Press to turn the audio system on and off, and turn to adjust the volume.	98
9	⏏ button	Press to eject a disc.	113

*: If equipped

2. SOME BASICS

This section describes some of the basic features of the audio system. Some information may not pertain to your system.

Your audio system works when the engine switch is turned to the “ACC” or “ON” position.

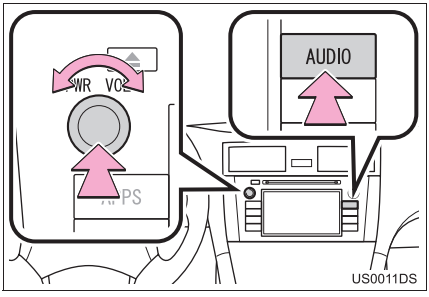
CAUTION

- For vehicles sold in U.S.A. and Canada:
  Part 15 of the FCC Rules
  FCC Warning: Changes or modifications in construction not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. Radio frequency exposure. This device is approved for Mobile Application only and, to comply with applicable FCC radio frequency exposure regulations, must be used with a distance of at least 7.9 in. (20 cm) between the antenna and the body of any person at all time during use.
- Laser products
  - Do not take this unit apart or attempt to make any changes yourself. This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.
  - This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTICE

- To prevent the 12-volt battery from being discharged, do not leave the audio system on longer than necessary when the engine is not running (hybrid vehicles: the hybrid system is off).

TURNING THE AUDIO SYSTEM ON OR OFF



“AUDIO” button: Press this button to display screen buttons for the audio system.

“PWR VOL” knob: Press this knob to turn the audio system on and off. Turn this knob to adjust the volume. The system turns on in the last mode used.

INFORMATION

- If the volume is adjusted while music is paused or muted, the pause or mute will be cancelled.

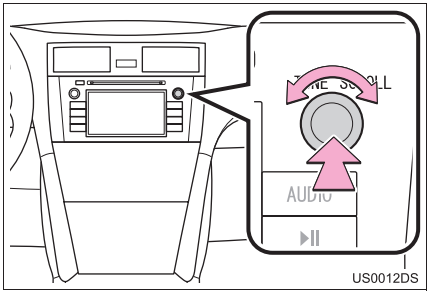
CONTROLS USING THE "TUNE SCROLL" KNOB

▶Radio mode

Radio stations can be tuned in manually using this knob.

▶Modes other than radio

Tracks, songs or files can be selected using the knob.

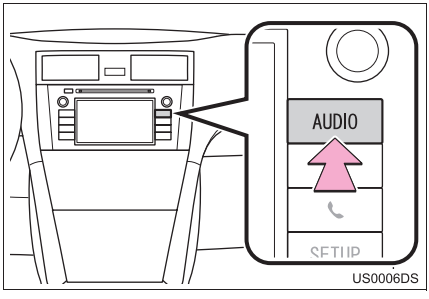


▶When a list displayed

When a list is displayed on the screen, turn the **"TUNE SCROLL"** knob to move the cursor box to select a desired item from the list, and pressing the knob will play it. The track that is being played is highlighted.

SWITCHING AUDIO SOURCE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"**.

3 Touch a desired audio source.

INFORMATION

- You cannot select dimmed screen buttons. Connect the audio device before selecting.

DSP CONTROL

1 Press the **"AUDIO"** button.

2 Touch or .

▶USB memory/iPod and Bluetooth® audio modes

- DSP control can be set from the "Options" screen. Touch **"Options"** and then touch **"Sound Settings"** on the next screen.

▶Modes other than USB memory/iPod and Bluetooth® audio

3 Touch the **"DSP"** tab to display this screen.

▶Without JBL sound system

▶With JBL sound system

4 Touch the desired screen button.

AUTOMATIC SOUND LEVELIZER (ASL)

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise.

▶Without JBL sound system

1 Touch **"High"**, **"Mid"** or **"Low"** of "Automatic Sound Levelizer".

2 Touch **"OK"**.

▶With JBL sound system

1 Touch **"On"** of "Automatic Sound Levelizer".

2 Touch **"OK"**.

SURROUND FUNCTION (IF EQUIPPED)

1 Touch **"On"** of "Surround".

2 Touch **"OK"**.

TONE AND BALANCE

TONE

How good an audio program sounds is largely determined by the mix of the treble, mid and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid and bass.

BALANCE

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that when listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of one group of sounds while decreasing the volume of another.

1 Press the **"AUDIO"** button.

2 Touch or .

▶USB memory/iPod and Bluetooth® audio modes

● Tone and balance can be set from the "Options" screen. Touch **"Options"** and then touch **"Sound Settings"** on the next screen.

▶Modes other than USB memory/iPod and Bluetooth® audio

3 Touch the **"Sound"** tab to display this screen.

4 Touch the desired screen button.

"Treble" "+" or "-": To adjust high-pitched tones.

"Mid" "+" or "-": To adjust mid-pitched tones.

"Bass" "+" or "-": To adjust low-pitched tones.

"Front" or "Rear": To adjust the sound balance between the front and rear speakers.

"L" or "R": To adjust the sound balance between the left and right speakers.

5 Touch **"OK"**.

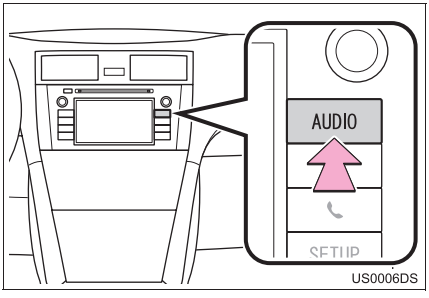
INFORMATION

● The tone of each mode can be adjusted.

3. RADIO OPERATION

SWITCHING TO RADIO MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"**.

3 Touch **"AM"** or **"FM"**.

PRESETTING A STATION

Radio mode has a mix preset function, which can store up to 36 stations (6 station per page × 6 page) from any of the AM, FM or SAT bands.

1 Tune in the desired station.

2 Touch one of the left side screen buttons **(1-6)** and hold it until a beep is heard. This sets the frequency to the screen button. The station's frequency will be displayed in the screen button.

- To change the preset station to a different one, follow the same procedure.
- Touch << or >> to change the preset page.

SELECTING A STATION

Tune in the desired station using one of the following methods.

Preset tuning: Touch one of the mix preset channels on the left side of the screen to select the desired station. The screen button is highlighted and the station frequency appears on the screen.

Manual tuning: Search for a desired radio station by turning the **"TUNE SCROLL"** knob.

Seek tuning: Press the "∧" or "∨" button of **"SEEK/TRACK"**. The radio will begin seeking up or down for a station of the nearest frequency and will stop when a station is found. Each time the button is pressed, the stations will be searched automatically one after another.

To scan all the frequencies: Touch **"SCAN"**. "SCAN" will appear on the screen. The radio will find the next station and stay there for 10 seconds if **"All"** or **"HD Only"** is selected, or 5 seconds if **"Analog"** is selected, and then scan again. To stay tuned to a station and stop the scanning, touch **"SCAN"** again. (To set the HD Radio™ system, see page 214.)

RADIO BROADCAST DATA SYSTEM

This audio system is equipped with Radio Broadcast Data Systems (RBDS). RBDS mode allows text messages to be received from radio stations that utilize RBDS transmitters.

When RBDS is on, the radio can
— only select stations of a particular program type,
— display messages from radio stations,
— search for a stronger signal station.
RBDS features are available only when listening to an FM station that broadcasts RBDS information and the "FM info" indicator is on.

SELECTING A DESIRED TYPE

1 Touch **"Options"**.

2 Touch **"TYPE >"** or **"< TYPE"** to move forward and backward through the program list.

- Once a program type has been set, "TYPE SEEK" will appear on the screen.
- The program list is in the following order:
  - Classical
  - Country
  - EasyLis (Easy Listening)
  - Inform (Information)
  - Jazz
  - News
  - Oldies
  - Other
  - Pop Music
  - Religion
  - Rock
  - R&B (Rhythm and Blues)
  - Sports
  - Talk
  - Traffic (Not available when "HD Radio™ Settings" are set to analog)
  - Alert (Emergency Alert)

3 Touch **"TYPE SEEK"** and the system will start to seek for stations in the relevant program type.

INFORMATION

- If no relevant program can be found, "no type" will appear on the screen.

TRAFFIC ANNOUNCEMENT

A station that regularly broadcasts traffic information is automatically located.

"Traffic": Touch to seek a traffic program station. "TRAF SEEK" will appear on the screen.

INFORMATION

- If no traffic program station is found, "No Traffic" will appear on the screen.
- If a traffic program station is found, the name of the traffic program station will be displayed for a while.

USING HD Radio™ TECHNOLOGY

HD Radio™ Technology is the digital evolution of analog AM/FM radio. Your radio product has a special receiver which allows it to receive digital broadcasts (where available) in addition to the analog broadcasts it already receives. Digital broadcasts have better sound quality than analog broadcasts as digital broadcasts provide free, crystal clear audio with no static or distortion. For more information, and a guide to available radio stations and programming, refer to www.hdradio.com.

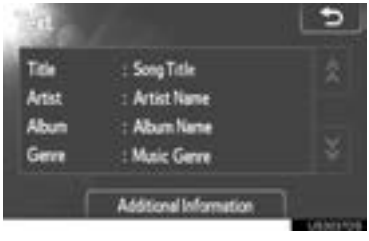
1 Touch **"HD Radio"** to turn the indicator on.

- As a user works through the analog radio stations, (where applicable) the radio receiver will automatically tune from an analog signal to a digital signal within 5 seconds.
- An orange "HD)" logo indicator will be displayed on the screen when in digital. The "HD)" logo will first appear in a gray color indicating the station is indeed (an analog and) a digital station. Once the digital signal is acquired, the logo will change to a bright orange color.

INFORMATION

1 Touch **"Text"**.

2 Information such as the artist name, song title, album title and music genre being listened to are displayed on the text screen.



- To display messages from the station, touch **"Additional Information"**.

MULTICAST

On the FM radio frequency most digital stations have "multiple" or supplemental programs on the FM station.

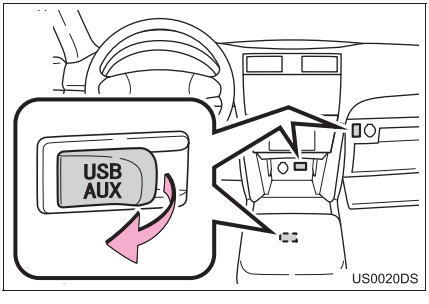
1 Touch **"Multicast"**.

- Each time **"Multicast"** is touched, the supplemental program changes.
- If **"Multicast"** is touched when tuned to the last of the supplemental programs, the main program will be returned to.

TAG

1 Touch **"Tag"** to bookmark the music information.

2 Open the cover and connect iPod using an iPod cable.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Turn on the power of the iPod if it is not turned on.
- Once an iPod is connected, the music tag moves from the radio into the iPod.
- When the iPod is connected to iTunes, the "tagged" information of the songs which were tagged while listening to the radio can be viewed. Then a user may decide to purchase the song or CD/Album which has been listened to on their radio.

INFORMATION

- If tagging the music information fails, "Saving the HD Radio tag failed." will be displayed on the screen. If this occurs, tag the information again.
- HD Radio™ stations can be preset.

TROUBLESHOOTING GUIDE

Experience	Cause	Action
Mismatch of time alignment a users may hear a short period of programming re-played or an echo, stutter or skip.	The radio stations analog and digital volume is not properly aligned or the station is in ballgame mode.	None, radio broadcast issue. A user can contact the radio station.
Sound fades, blending in and out.	Radio is shifting between analog and digital audio.	Reception issue, may clear-up as the vehicle continues to be driven. Touching **"HD Radio"** with the indicator off can force radio in an analog audio.
Audio mute condition when an HD2/HD3 multicast channel has been playing.	The radio does not have access to digital signals at the moment.	This is normal behavior, wait until the digital signal returns. If out of the coverage area, seek a new station.
Audio mute delay when selecting an HD2/HD3 multicast channel preset.	The digital multicast content is not available until HD Radio™ broadcast can be decoded and make the audio available. This takes up to 7 seconds.	This is normal behavior, wait for the audio to become available.
Text information does not match the present song audio.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; www.ibiquity.com/automotive/report_radio_station_experiences.
No text information shown for the present selected frequency.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; www.ibiquity.com/automotive/report_radio_station_experiences.

HD Radio®

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4. RADIO OPERATION (XM® Satellite Radio BROADCAST)

HOW TO SUBSCRIBE TO AN XM® Satellite Radio

To listen to a satellite radio broadcast in the vehicle, a subscription to the XM® Satellite Radio service is necessary.

An XM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous U.S. states and some Canadian provinces.

HOW TO SUBSCRIBE

It is necessary to enter into a separate service agreement with XM® Satellite Radio in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and digital satellite tuner.

- For complete information on subscription rates and terms, or to subscribe to XM® Satellite Radio:

▶U.S.A.
Refer to www.siriusxm.com or call 1-800-967-2346.

▶Canada
Refer to www.xmradio.ca or call 1-877-209-0079.

INFORMATION

- XM® Satellite Radio is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the XM® Satellite Radio customer service agreement.
- Customers should have their radio ID ready; the radio ID can be found by tuning to “channel 000” on the radio. For details, see “DISPLAYING THE RADIO ID” below.
- All fees and programming are the responsibility of XM® Satellite Radio and are subject to change.

SATELLITE TUNER TECHNOLOGY NOTICE

Toyota’s satellite radio tuners are awarded Type Approval Certificates from XM® Satellite Radio Inc. as proof of compatibility with the services offered by XM® Satellite Radio.

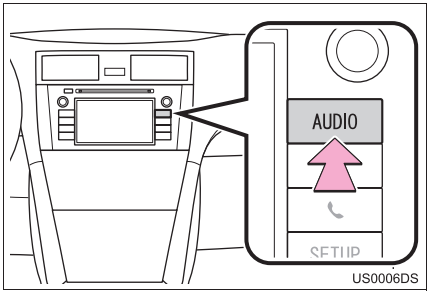
DISPLAYING THE RADIO ID

Each XM® tuner is identified with a unique radio ID. The radio ID is required when activating an XM® service or when reporting a problem.

- If “CH 000” is selected using the **“TUNE SCROLL”** knob, the ID code, which is 8 alphanumeric characters, will be displayed. If another channel is selected, the ID code will no longer be displayed. The channel (000) displays the radio ID and the specific radio code.

SWITCHING TO SATELLITE RADIO MODE

1 Press the **"AUDIO"** button to display the audio control screen.



- The audio system turns on in the last mode used.

2 Touch **"Source"**.

3 Touch **"SAT"**.

CHANNEL CATEGORY

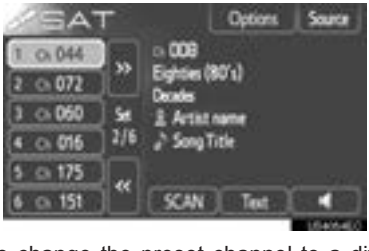
1 Touch **"Options"**.

2 Touch either **"TYPE >"** or **"< TYPE"** to go to the next or previous category.

PRESETTING A CHANNEL

1 Tune in the desired channel.

2 Touch one of the left side screen buttons **(1-6)** and hold it until a beep is heard. This sets the preset frequency to the screen button. The Channel number will be displayed in the screen button.



- To change the preset channel to a different one, follow the same procedure.

SELECTING A CHANNEL

Tune in the desired channel using one of the following methods.

Preset tuning: Touch the channel selector screen button **(1-6)** to listen to the desired channel. The selected screen button **(1-6)** is highlighted and its related information appears on the right side of the screen.

Manual tuning: Turn the **"TUNE SCROLL"** knob to select the next or previous channel. Turning the knob quickly allows rapid scrolling through the channel list.

To select a channel within the current category: Press the "∧" or "∨" button of **"SEEK/TRACK"**. The radio will change up or down to a channel within the current channel category.

To scan the currently selected channel category: Touch **"SCAN"**. "SCAN" appears on the screen. The radio will find the next channel in the same channel category, stay there for a few seconds, and then scan again. To select a channel, touch **"SCAN"** again.

DISPLAYING THE TITLE AND NAME

1 Touching **"Text"** displays the artist name and song title you are currently listening to.

INFORMATION

- Up to 64 alphanumeric characters can be displayed. (Some information will not be fully displayed.)

IF THE SATELLITE RADIO TUNER MALFUNCTIONS

When problems occur with the XM® tuner, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

Message	Explanation
Ck Antenna	The XM® antenna is not connected. Check whether the XM® antenna cable is attached securely.
	A short circuit occurs in the antenna or the surrounding antenna cable. See a Toyota certified dealer for assistance.
Ch Unauth	You have not subscribed to XM® Satellite Radio. The radio is being updated with the latest encryption code. Contact XM® Satellite Radio for subscription information. When a contract is canceled, you can choose “CH000” and all free-to-air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel. To listen to the premium channel, contact XM® Satellite Radio.
No Signal	The XM® signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
Loading	The unit is acquiring audio or program information. Wait until the unit has received the information.
Ch Off Air	The channel you selected is not broadcasting any programming. Select another channel.
-----	There is no song/program title or artist name/feature associated with the channel at that time. No action is required.
Ch Unavail	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

INFORMATION

- Contact the XM® Listener Care Center at 1-800-967-2346 (U.S.A.) or 1-877-209-0079 (Canada).

NOTICE

- This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Information to user
  - Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

INFORMATION

- This XM® tuner supports "Audio Services" (Music and Talk) of only XM® Satellite Radio and "Text Information*" linked to the respective "Audio Services".
  *: Text Information includes, Station Name, (Artist) Name, (Song) Title and Category Name.

5. CD PLAYER OPERATION

The CD player can play audio CDs, CD text and MP3/WMA discs.

(a)Audio CD, CD text (See page 114.)

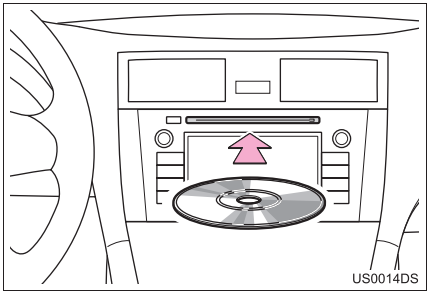
(b)MP3/WMA disc (See page 116.)

For appropriate discs for this player, see “AUDIO SYSTEM OPERATING HINTS” on page 141.

INSERTING OR EJECTING A DISC

INSERTING A DISC

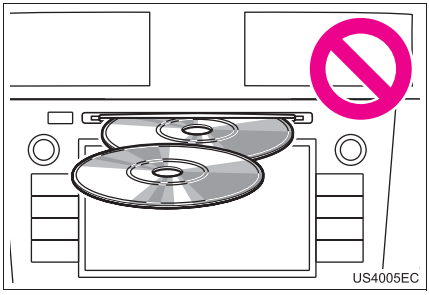
1 Insert a disc with the label side up.



- When a disc is correctly inserted into the slot, the CD player will automatically start playing from the first track or the first file of the first folder on a disc.

INFORMATION

- If the label is facing down, “Check DISC” will appear on the screen.
- The player is intended for use with 4.7 in. (12 cm) discs only. To play 3 in. (8 cm) discs, use an adaptor.

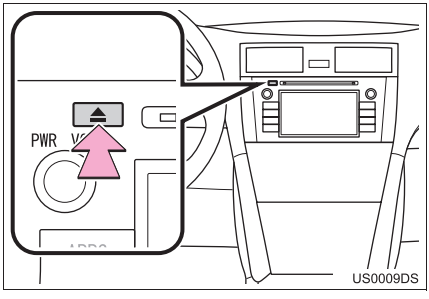


NOTICE

- Do not stack up two discs for insertion, or it will cause damage to the CD player. Insert only one disc into the slot at a time.
- Never try to disassemble or oil any part of the CD player. Do not insert anything other than a disc into the slot.

EJECTING A DISC

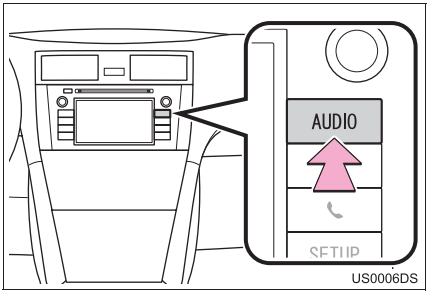
1 Press the ⏏ button.



- The disc will be ejected.

SWITCHING TO CD MODE

1 Press the **“AUDIO”** button.



- The audio system turns on in the last mode used.

2 Touch **“Source”**.

3 Touch **“DISC”**.

INFORMATION

- If no disc is in the slot, **“DISC”** cannot be selected. Insert a disc into the slot.

PLAYING AN AUDIO CD

- If a CD-TEXT disc is inserted, the title of the track and disc currently being played will be displayed.

: Touch to pause the track.

: Touch to resume playing the track.

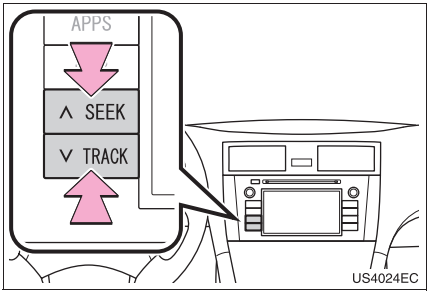
- When you touch , you can adjust sound settings. (See pages 100 and 101.)

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.

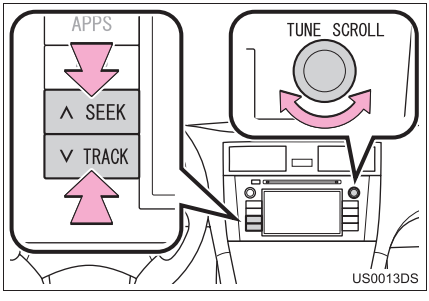
FAST FORWARD AND REVERSE

1 Press and hold the **“∧”** or **“∨”** of the **“SEEK/TRACK”** button to fast forward or reverse. When the button is released, the player will start playing from that position.



SELECTING A DESIRED TRACK

Select a desired track using one of the following methods.



“SEEK/TRACK” button: Press the “∧” or “∨” of **“SEEK/TRACK”** button to select a desired track.

“TUNE SCROLL” knob: Turn this knob to select a desired track. Also, the knob can be used for selection from the list display.

Track list: A desired track can be selected from a list.

- Touch **“Tracks”** on the screen. The list will be displayed.

- Touch a desired track. The player will start playing the selected track from the beginning.
- Touch ^ or v to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND RANDOM ORDER

(Repeat mode): Use it to automatically repeat the track you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.

RPT: Repeating the track
↓
RPT: OFF

(Random mode): Use it for automatic random selection of the track.

- The random mode changes as follows each time the screen button is touched.

RAND: Playing the tracks in random order
↓
RAND: OFF

PLAYING A MP3/WMA DISC

- The title of the file and folder currently being played will be displayed.

: Touch to pause the file.

: Touch to resume playing the file.

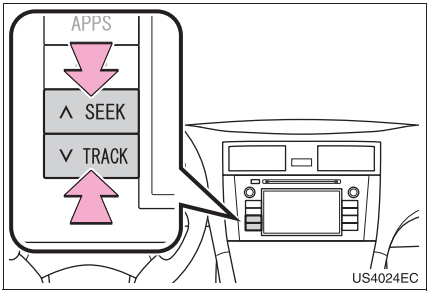
- When you touch , you can adjust sound settings. (See pages 100 and 101.)

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.

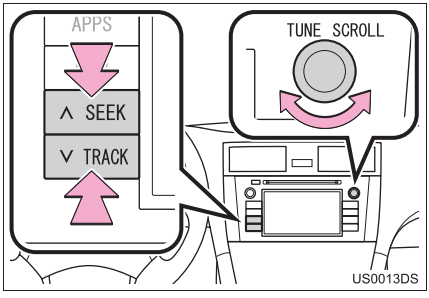
FAST FORWARD AND REVERSE

1 Press and hold the **"∧"** or **"∨"** of the **"SEEK/TRACK"** button to fast forward or reverse. When the button is released, the player will start playing from that position.



SELECTING A DESIRED FILE

Select a desired file using one of the following methods.



“SEEK/TRACK” button: Press the “∧” or “∨” of **“SEEK/TRACK”** button to select a desired file.

“TUNE SCROLL” knob: Turn this knob to select a desired file. Also, the knob can be used for selection from the list display.

File list: A desired file can be selected from a list.

- Touch **“Files”** on the screen. The list will be displayed.

- Touch a desired file. The player will start playing the selected file from the beginning.
- Touch ∧ or ∨ to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

SELECTING A DESIRED FOLDER

1 Touch **“Folders”**. The folder list will be displayed.

2 Touch a desired folder from the list. The file list for the folder will be displayed.

- When a desired file is touched, the player will start playing the file.
- Touch ∧ or ∨ to scroll the list.
- If > appears to the right of titles, the complete titles are too long for the display. Touch this screen button to scroll to titles.

PLAYING REPEAT AND RANDOM ORDER

(Repeat mode): Use it to automatically repeat the file or folder you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.

→ RPT: Repeating the file
↓
RPT: Repeating the folder
↓
RPT: OFF

(Random mode): Use it for automatic random selection of the file.

- The random mode changes as follows each time the screen button is touched.

→ RAND: Playing the files on the folder in random order
↓
RAND: Playing the files in all the folders in random order
↓
RAND: OFF

6. USB MEMORY/iPod OPERATION

The system enables users to enjoy music played from a USB memory or iPod on the vehicle's speakers.

CAUTION

- Do not operate the player's controls or connect the USB memory or iPod while driving.

NOTICE

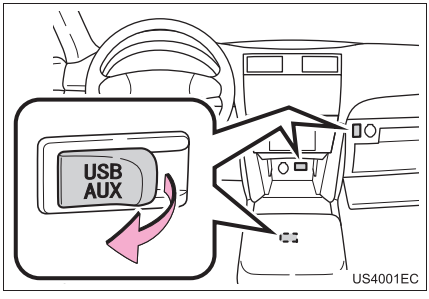
- Do not leave your portable player in the vehicle. The temperature inside may rise to a level that could damage the portable player.
- Do not press down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the USB port as this may damage the portable player or its terminal.

INFORMATION

- This system has a charging function for iPods.
- When the battery level of an iPod is very low, the iPod may not operate. If so, charge the iPod before use.
- Depending on the portable player that is connected to the system, certain functions may not be available. If a function is unavailable due to a malfunction, disconnecting your portable player and reconnecting it may resolve the problem.
- When an iPod does not operate, update the software of the iPod to the latest version, and then retry. For supported models and software versions, see page 142.
- This system supports MTP devices.

CONNECTING A USB MEMORY OR iPod

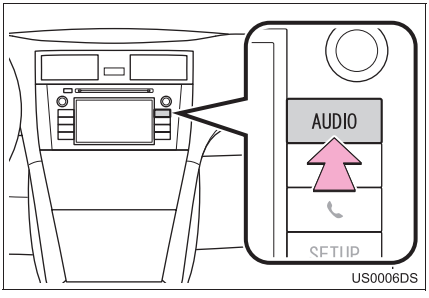
1 Open the cover of the USB/AUX port and connect a USB memory or iPod using an iPod cable.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Turn on the power of the USB memory or iPod if it is not turned on.
- If a USB memory or iPod is inserted, it starts playing automatically. As soon as it is ready to play, the audio control screen is shown automatically.

SWITCHING TO USB OR iPod MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"**.

3 Touch **"USB"** or **"iPod"**.

INFORMATION

- If no USB memory or iPod is connected, **"USB"** or **"iPod"** cannot be selected. Connect a USB memory or iPod to the USB port.

PLAYING A USB MEMORY OR iPod

PLAYING A SONG

The title of the album, song and artist name of the song currently being listened to will be displayed.

PLAY AND PAUSE

: Touch to pause the song.

: Touch to resume playing the song.

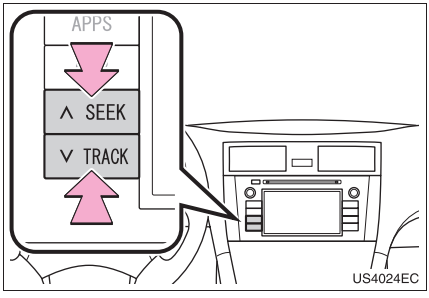
- When you touch , you can adjust sound settings. (See pages 100 and 101.)

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.
- USB memory only: If the song's data does not contain an ID3 tag, the file and folder name will be displayed instead of the song and album title. Please note that the file name will not include the file's extension.

FAST FORWARD AND REVERSE

1 Press and hold the **"∧"** or **"∨"** of the **"SEEK/TRACK"** button to fast forward or reverse. When the button is released, the player will start playing from that position.



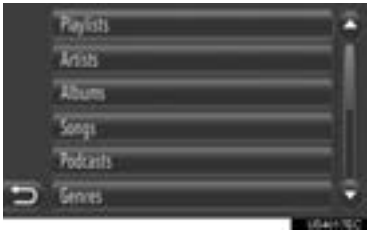
SELECTING A DESIRED SONG

SELECTING A PLAYLIST

Songs can be sorted and selected from various playlists.

1 Touch **"Browse"**.

2 Touch the desired list.



- Touch the desired item to display its list. Continue to touch the applicable screen button until its song list is displayed.

- The selecting playlist screen is can be displayed from the "Options" screen. Touch **"Options"** and then touch **"Browse For Music"** on the next screen.

3 Touch the desired song.

INFORMATION

- USB memory only: Files that do not contain song title and/or album information will be displayed as “Unknown” in the “Artist” and/or “Album” list.
- While the media is being synchronized, a pop-up window is displayed. When synchronization is complete, a pop-up window will be displayed and the function will be available. Touch **“OK”** to return to the previous screen.

SELECTING BY LIST

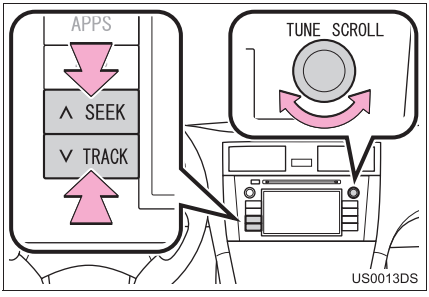
The desired song can be selected from the current playlist.

1 Touch **“List”**.

2 Touch the desired song.

- The list is can be displayed from the “Options” screen. Touch **“Options”** and then touch **“Current Playlist”** on the next screen.

SELECTING A DESIRED SONG USING THE “SEEK/TRACK” BUTTON OR “TUNE SCROLL” KNOB



“SEEK/TRACK” button: Press the **“∧”** or **“∨”** of the **“SEEK/TRACK”** button to select a desired song.

“TUNE SCROLL” knob: Turn to select a desired song.

COVER ART FUNCTION

The album, that the song currently being listened to is from, is called up so that a song from it can be selected.

1 Touch cover art.

2 A list of all the songs from the album will be displayed.

3 Touch the desired song.

INFORMATION

- If a song other than the one currently being listened to is selected, the current list is updated and will include all the songs from the album the selected song belongs to.
- It may take time to display iPod cover art. Only iPod cover art that is saved in JPEG format can be displayed.
- When Audio book or Podcast playlists are selected, this function is not available.

PLAYING "Play More Like This" FUNCTION

The system creates a new playlist containing songs similar to the one currently being listened to.

1 Touch **"Play More Like This"**.

- A pop-up window is displayed until the playlist is created. If you touch **"Cancel"** on the screen, the creation of the new playlist is cancelled.

"Play More Like This" SETTING

The size of the playlist of similar songs can be set.

1 Touch **"Options"**.

2 Touch **"Play More Like This Settings"**.

3 Touch the desired size of the playlist.

4 Touch .

REPEAT AND RANDOM PLAY FUNCTIONS

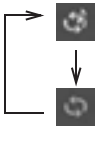
Repeat and random play functions are available.

FROM THE AUDIO CONTROL SCREEN

1 Touch or .

(Repeat mode): Use it to automatically repeat the song you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.



(Random mode): Use it for automatic random order in the current playlist.

- The random mode changes as follows each time the screen button is touched.

FROM THE “Options” SCREEN

1 Touch **“Options”**.

2 Touch **“Random”** or **“Repeat Track”**.

- To cancel repeat or random order, touch **“Random”** or **“Repeat Track”** again.

INFORMATION

- When **“Random”** is on, the songs in the current playlist are played in random order.

7. AUX DEVICE OPERATION

Connecting a portable audio device with the AUX port enables users to enjoy music via the vehicle speakers.

CAUTION

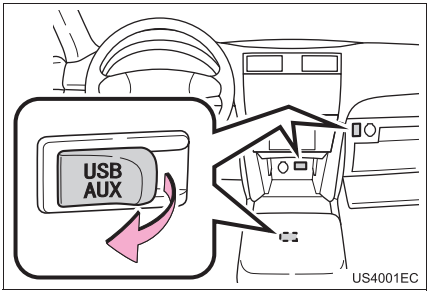
- Do not connect a portable audio device or operate the device controls while driving.

NOTICE

- Do not leave the portable audio device in the car. In particular, high temperatures inside the vehicle may damage the device.
- Do not push down on or apply unnecessary pressure to the portable audio device while it is connected as this may damage the device or its terminal.
- Do not insert foreign objects into the AUX port as this may damage the portable audio device or its terminal.

CONNECTING A PORTABLE AUDIO DEVICE

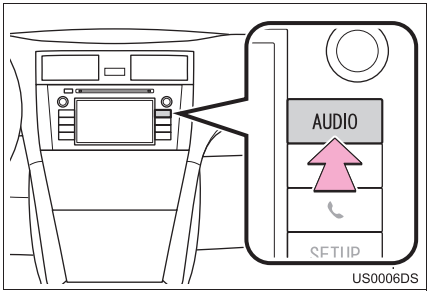
1 Open the cover of the USB/AUX port and connect a portable audio device.



- The USB/AUX port is located on the instrument panel, or in the console box or glove box etc. The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

SWITCHING TO AUX MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"**.

3 Touch **"AUX"**.

INFORMATION

- If no portable audio device is connected, **"AUX"** cannot be selected. Connect the portable audio device to the AUX port.

PLAYING A PORTABLE AUDIO DEVICE

- Only the volume can be adjusted using the audio system controls. The remaining controls need to be operated on the portable audio device itself.

- When you touch , you can adjust sound settings. (See pages 100 and 101.)

8. Bluetooth® AUDIO OPERATION

The Bluetooth® audio system enables users to enjoy music played on a portable player from the vehicle speaker via wireless communication.

If your portable player does not support Bluetooth®, the Bluetooth® audio system will not function.

CAUTION

- Do not operate the player's controls or connect to the Bluetooth® audio system while driving.
- Your audio unit is fitted with Bluetooth® antennas. People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

- Do not leave your portable audio player in the car. In particular, high temperatures inside the vehicle may damage the portable audio player.

INFORMATION

- In the following conditions, the system may not function.
  - The portable audio player is turned off.
  - The portable audio player is not connected.
  - The portable audio player has a low battery.
- Depending on the portable audio player that is connected to the system, certain functions may not be available.
- It may take time, the phone connection is carried out during Bluetooth® audio play.

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

INFORMATION

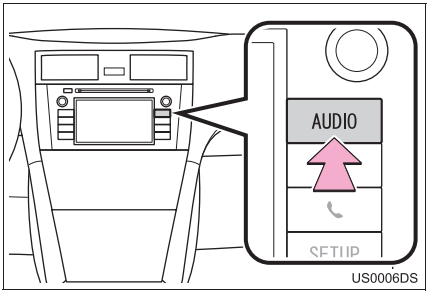
- Portable audio players must correspond to the following specifications in order to be connected to the Bluetooth® audio system. However, please note that some functions may be limited depending on the type of portable audio player.
  - Bluetooth® Specification
    Ver.1.1 or higher
    (Recommended: Ver.2.1+EDR or higher)
  - Profile
    A2DP (Advanced Audio Distribution Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.2 or higher)
    AVRCP (Audio/Video Remote Control Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.4 or higher)

CAUTION

- FCC ID: QNG-BE2729
  IC ID: 6434A-BE2729
  MADE IN USA
  This device complies with Part 15 of the FCC Rules and RSS-210 of the industry Canada. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference, and
  (2) This device must accept any interference received, including interference that may cause undesired operation.
- FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- CAUTION: Radio Frequency Radiation Exposure
  This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).
- Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

SWITCHING TO Bluetooth® AUDIO MODE

1 Press the **"AUDIO"** button.



- The audio system turns on in the last mode used.

2 Touch **"Source"**.

3 Touch **"Bluetooth*"**.

- If a Bluetooth® audio device is not connected, the connecting Bluetooth® audio screen will automatically appear.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

CONNECTING Bluetooth® AUDIO

In order to use the Bluetooth® audio system, it is necessary to pair a portable player and connect the audio profile (A2DP) with the system. (In this manual, pairing refers to a Bluetooth® device connecting with the system. Connecting refers to the paired device's profile(s) being connected to the system.)

Once you have connected a device with audio profile (A2DP), you can enjoy your music on the vehicle's audio system.

If you have not yet connected a portable player with audio profile (A2DP), you must first pair a portable player with audio profile (A2DP) according to the following procedures. Connect your portable player with audio profile (A2DP) after bringing the vehicle to a complete stop.

- See "Bluetooth® SETTINGS" on page 202 of additional registration when registering.

CONNECTING Bluetooth® AUDIO

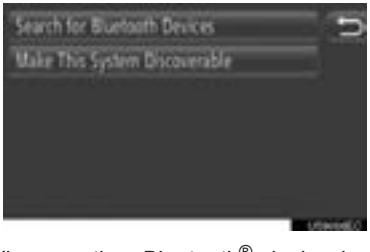
CONNECTING FROM THE SYSTEM

1 Switching to Bluetooth® audio mode. (See page 130.)

2 Touch **"Search Bluetooth* Devices"**.

3 Touch **"Add New Device"**.

4 Touch **"Search for Bluetooth* Devices"**.



- When another Bluetooth® device is currently connected, a pop-up window is displayed. To disconnect it, touch **"Yes"**.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

5 The following screen will be displayed while searching for a Bluetooth® device.

- To cancel this function, touch **"Cancel"**.

6 Touch the device to be paired.

- Connectable Bluetooth® devices will be displayed in the list.

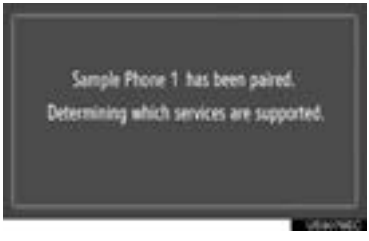
7 The following screen will be displayed.

- To cancel this function, touch **"Cancel"**.

8 Confirm the PIN.

- Confirm the PIN displayed on the screen, and then touch **"Accept"**.
- If the device does not support SSP (Secure Simple Pairing), input the PIN displayed on the screen into the device.

9 The following screen will be displayed when pairing is complete.



10 The system waits for connection requests coming from the paired device. Phone and Music profiles are typically connected automatically.

- If the automatic connection failed, the following screen will be displayed. Touch **"Connect for Music"**.

- Once a portable player has been connected, it will be automatically connected whenever the engine switch is turned to the "ACC" or "ON" position.

INFORMATION

- For details on device detection and operation of the portable player, refer to the manual that comes with the portable audio player.

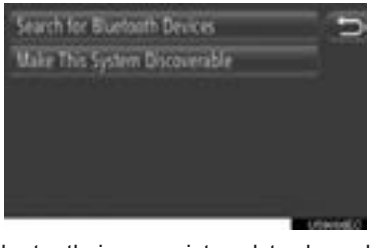
CONNECTING FROM THE DEVICE

1 Switching to Bluetooth® audio mode. (See page 130.)

2 Touch **"Search Bluetooth* Devices"**.

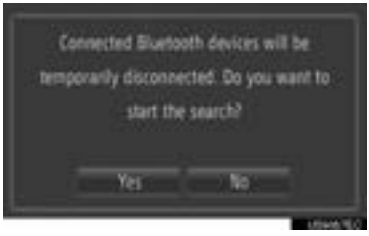
3 Touch **"Add New Device"**.

4 Touch **"Make This System Discoverable"**.



*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

- When another Bluetooth® device is currently connected, a pop-up window is displayed. To disconnect it, touch **"Yes"**.



5 The following screen will be displayed.

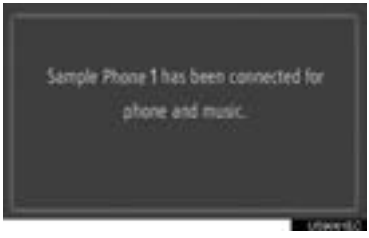
- To cancel this function, touch **"Cancel"**.

6 Confirm the PIN.

- Confirm the PIN displayed on the screen, and then touch **"Accept"**.
- If the device does not support SSP (Secure Simple Pairing), input the PIN displayed on the screen into the device.

7 The following screen will be displayed when pairing is complete.

8 The system waits for connection requests coming from the paired device. Phone and Music profiles are typically connected automatically.



RECONNECTING Bluetooth® AUDIO

If a portable player is disconnected due to poor reception from the Bluetooth® network when the engine switch is in the "ACC" or "ON" position, the system will automatically reconnect the portable player.

- If the Bluetooth® device is disconnected on purpose, such as it was turned off, this does not happen. Reconnect it manually using either of the following methods:
  - Select a portable player again. (See page 208.)
  - Connect the audio profile. (See page 204.)

PLAYING Bluetooth® AUDIO

PLAYING A SONG

The title of the song, album and artist name of the song currently being listened to will be displayed.

PLAY AND PAUSE

: Touch to pause the song.

: Touch to resume playing the song.

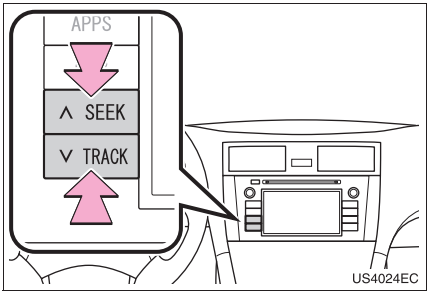
- When you touch , you can adjust sound settings. (See pages 100 and 101.)

INFORMATION

- The progress bar indicator does not always correspond to the actual elapsed playback position.
- If the song's data does not contain an ID3 tag, the file and folder name will be displayed instead of the song and album title. Please note that the file name will not include the file's extension.
- Bluetooth® audio screen may differ depending on your device.

FAST FORWARD AND REVERSE

1 Press and hold the "∧" or "∨" of the **"SEEK/TRACK"** button to fast forward or reverse. When the button is released, the player will start playing from that position.



SELECTING A DESIRED SONG

SELECTING A PLAYLIST

Songs can be sorted and selected from various playlists.

1 Touch **"Browse"**.

2 Touch the desired list.

- Touch the desired item to display its list. Continue to touch the applicable screen button until its song list is displayed.

● The selecting playlist screen is can be displayed from the “Options” screen. Touch **“Options”** and then touch **“Browse For Music”** on the next screen.

3 Touch the desired song.

INFORMATION

- Files that do not contain song title and/or album information will be displayed as “Unknown” in the “Artist” and/or “Album” list.
- This function may not be available depending on the portable audio player.

SELECTING BY LIST

The desired song can be selected from the current playlist.

1 Touch **“List”**.

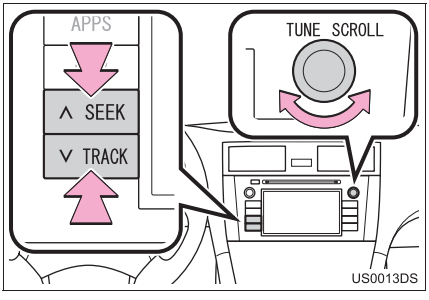
2 Touch the desired song.

● The list is can be displayed from the “Options” screen. Touch **“Options”** and then touch **“Current Playlist”** on the next screen.

INFORMATION

- This function may not be available depending on the portable audio player.

SELECTING A DESIRED SONG USING THE "SEEK/TRACK" BUTTON OR "TUNE SCROLL" KNOB



"SEEK/TRACK" button: Press the "∧" or "∨"of the **"SEEK/TRACK"** button to select a desired song.

"TUNE SCROLL" knob: Turn to select a desired song.

REPEAT AND RANDOM PLAY FUNCTIONS

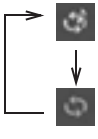
Repeat and random play functions are available.

FROM THE AUDIO CONTROL SCREEN

1 Touch or .

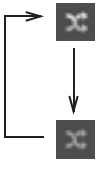
(Repeat mode): Use it to automatically repeat the song you are currently listening to.

- The repeat mode changes as follows each time the screen button is touched.



(Random mode): Use it for automatic random order in the current playlist.

- The random mode changes as follows each time the screen button is touched.



FROM THE “Options” SCREEN

1 Touch **“Options”**.

2 Touch **“Random”** or **“Repeat Track”**.

- To cancel repeat or random order, touch **“Random”** or **“Repeat Track”** again.

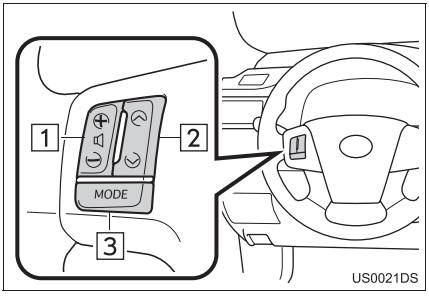
INFORMATION

- When **“Random”** is on, the songs in the current playlist are played in random order.

9. STEERING SWITCHES

Some parts of the audio system can be adjusted with the switches on the steering wheel.

STEERING SWITCHES (WITH TWO DIRECTION STEERING SWITCH)



- The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Details of the specific switches, controls, and features are described below.

No.	Switch
1	Volume control switch
2	"∧" "∨" switch
3	"MODE" switch

1 Volume control switch

- Press the **"+"** side to increase the volume. The volume continues to increase while the switch is being pressed.
- Press the **"-"** side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧" "∨" switch

▶Radio

To select a preset station: Press the "∧" or "∨" switch.

To seek a radio station: Press and hold the "∧" or "∨" switch until you hear a beep. If you press either the "∧" or "∨" switch in seek mode, the seek mode will be cancelled.

▶CD player

To select a desired track or file: Press the "∧" or "∨" switch.

To select a desired folder (MP3/WMA): Press and hold the "∧" or "∨" switch until you hear a beep.

▶USB memory/iPod

To select a desired song: Press the "∧" or "∨" switch.

Fast forward and reverse: Press and hold the "∧" or "∨" switch until you hear a beep.

▶Bluetooth® audio player

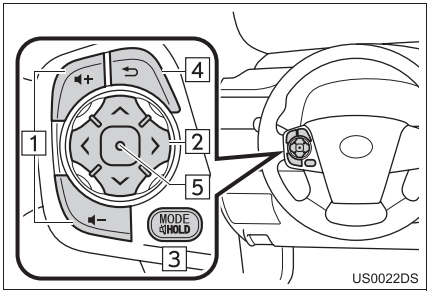
To select a desired song: Press the "∧" or "∨" switch.

Fast forward and reverse: Press and hold the "∧" or "∨" switch until you hear a beep.

3 **"MODE"** switch

- Press the **"MODE"** switch to select an audio mode. Each press changes the mode sequentially if the desired mode is ready to use.
- To turn the audio system on, press the **"MODE"** switch.
- Press and hold the **"MODE"** switch until you hear a beep and the music will pause or be muted. By the same operation, it is released.

STEERING SWITCHES (WITH FOUR DIRECTION STEERING SWITCH)



- The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.
- Details of the specific switches, controls, and features are described below.

No.	Switch
1	Volume control switch
2	"∧" "∨" ">" "<" switch
3	"MODE/HOLD" switch
4	Back switch
5	Enter switch

1 Volume control switch

- Press the **"+"** side to increase the volume. The volume continues to increase while the switch is being pressed.
- Press the **"-"** side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧" "∨" ">" "<" switch

▶Radio

To select a preset station: Press the "∧" or "∨" side of the switch. Repeat this to select the next preset station.

To seek a station: Press and hold the "∧" or "∨" side of the switch until a beep is heard. Repeat this to find the next station. If either side of the switch is pressed during seek mode, seeking will be canceled.

To change the preset page: The radio's preset page can be changed by pressing the ">" or "<" side of the switch.

▶CD player

To select a desired track or file: Press the "∧" or "∨" side of the switch until the desired track or file to play is selected. To return to the beginning of the current track or file, press the "∨" side of the switch once quickly.

To select a desired folder (MP3/WMA): Press the ">" or "<" switch to change to the next or the previous folder.

▶USB memory/iPod

To select a desired song: Press the "∧" or "∨" switch until the desired song is selected.

Fast forward and reverse: Press and hold the "∧" or "∨" switch until you hear a beep.

▶Bluetooth® audio player

To select a desired song: Press the "∧" or "∨" side of the switch until the desired song is selected.

Fast forward and reverse: Press and hold the "∧" or "∨" switch until you hear a beep.

3 **“MODE/HOLD”** switch

- Press the **“MODE/HOLD”** switch to select an audio mode. Each press changes the mode sequentially if the desired mode is ready to use.
- To turn the audio system on, press the **“MODE/HOLD”** switch.
- Press and hold the **“MODE/HOLD”** switch until you hear a beep and the music will pause or be muted. By the same operation, it is released.

4 Back switch

- Press the back switch to return to the previous screen.

5 Enter switch

- When in radio mode, pressing the enter switch returns to the preset screen.
- When in media mode, pressing the enter switch returns to the list screen.

10. AUDIO SYSTEM OPERATING HINTS

NOTICE

- To avoid damaging the audio system:
  - Be careful not to spill beverages over the audio system.
  - Do not put anything other than on appropriate discs into the CD player slot.

INFORMATION

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.

RADIO RECEPTION

Usually, a problem with radio reception does not mean there is a problem with your radio — it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range, and the farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio.

FM

Fading and drifting stations: Generally, the effective range of FM is about 25 miles (40 km). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path: FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering: These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping: If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading: AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

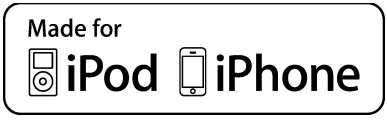
Station interference: When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static: AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

XM®

- Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of XM® Satellite Radio.
- Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

iPod



- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

COMPATIBLE MODELS

The following iPod®, iPod nano®, iPod classic®, iPod touch® and iPhone® devices can be used with this system.

Made for

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (1st generation)
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

Depending on differences between models or software versions etc., some models might be incompatible with this system.

USB MEMORY

- USB memory that can be used for MP3 and WMA playback.
  - USB communication formats: USB 2.0 HS (480 Mbps) and FS (12 Mbps)
  - File formats: FAT 16/32 (Windows®)
  - Correspondence class: Mass storage class

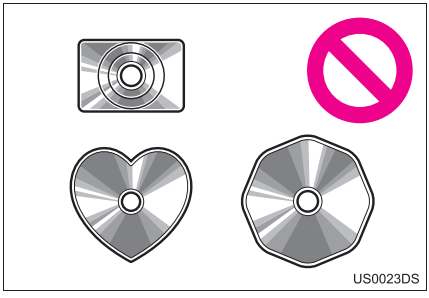
CARING FOR YOUR CD PLAYER AND DISCS

- Your CD player is intended for use with 4.7 in. (12 cm) discs only. To play 3 in. (8 cm) discs, use an adaptor.
- Extremely high temperatures can keep your CD player from working. On hot days, use air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your CD player skip.
- If moisture gets into your CD player, you may not hear any sound even though your CD player appears to be working. Remove the discs from the CD player and wait until it dries.

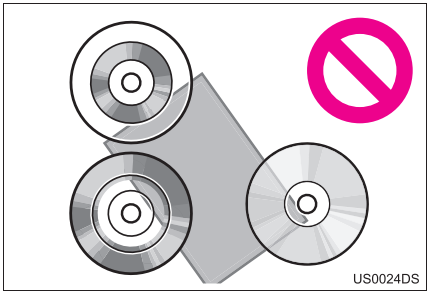
Audio CDs	

- Use only discs marked as shown above. The following products may not be playable on your CD player.
  - SACDs
  - dts CDs
  - Copy-protected CDs
  - Video CDs

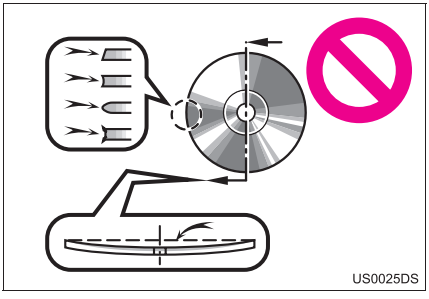
▶Special shaped discs



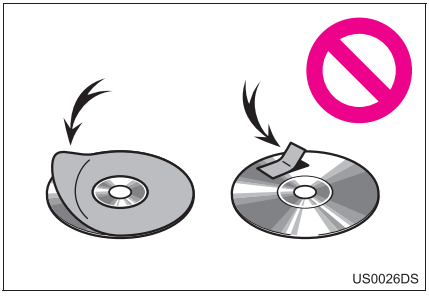
▶Transparent/translucent discs



▶Low quality discs

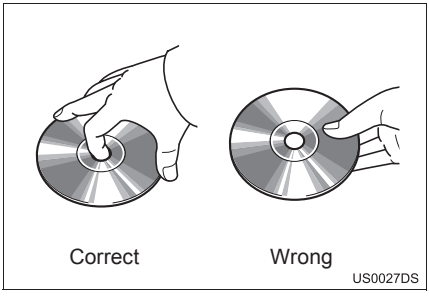


▶Labeled discs

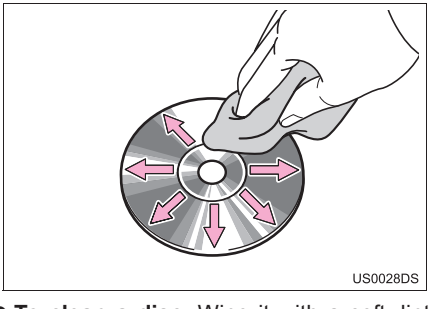


NOTICE

- Do not use special shaped, transparent/translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player, or it may be impossible to eject the disc.
- This system is not designed for use of Dual Disc. Do not use Dual Disc because it may cause damage to the player.



- Handle discs carefully, especially when you are inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes, or other disc damage could cause the CD player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the CD player when you are not using them. Store them in their plastic cases away from moisture, heat, and direct sunlight.



- **To clean a disc**: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in a circle). Do not use a conventional record cleaner or anti-static device.

MP3/WMA FILES

- MP3 (MPEG Audio Layer 3) and WMA (Windows Media Audio) are audio compression standards.
- The MP3/WMA player can play MP3 and WMA files on CD-ROM, CD-R and CD-RW discs.
  The unit can play disc recordings compatible with ISO 9660 level 1,2 (Romeo Joliet) and UDF (2.01 or lower) file system.
- When naming an MP3 or WMA file, add the appropriate file extension (.mp3 or .wma).
- The MP3/WMA player plays back files with .mp3 or .wma file extensions as MP3 or WMA files. To prevent noise and playback errors, use the appropriate file extensions.
- The player can play only the first session using multi-session compatible CDs.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, and Ver. 2.3 formats. The unit cannot display disc title, track title and artist name in other formats.
- USB memory: MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3 and Ver. 2.4 formats. The unit cannot display track title and artist name in other formats.
- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.
- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, files recorded with a bit rate of at least 128 kbps are recommended.

SAMPLING FREQUENCY

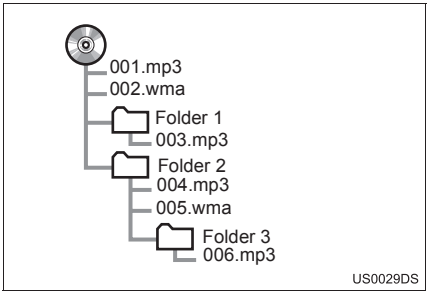
MP3 files:
MPEG 1 AUDIO LAYER 3 — 32, 44.1, 48 kHz
MPEG2 AUDIO LAYER3 — 16, 22.05, 24 kHz
WMA files for WMA player:
Ver. 7, 8, 9 CBR — 32, 44.1, 48 kHz
WMA files for USB memory:
Ver. 7, 8, 9 — HIGH PROFILE 32, 44.1, 48 kHz

PLAYABLE BIT RATES

MP3 files for MP3 player:
MPEG1 LAYER3 — 32 to 320 kbps
MPEG2 LSF LAYER3 — 8 to 160 kbps
MP3 files for USB memory:
MPEG 1 AUDIO LAYER 2, 3 — 32 to 320 kbps
MPEG 2 AUDIO LAYER 2, 3 — 8 to 160 kbps
WMA files for WMA player:
Ver. 7, 8 CBR — 48 to 192 kbps
Ver. 9 CBR — 48 to 320 kbps
WMA files for USB memory:
Ver. 7, 8, 9 CBR — 48 to 320 kbps

- M3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if fast-forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA files.

- MP3/WMA files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than two levels of folders.
- WMA files Ver. 9 depends on “Windows Media® Audio Standard”.



- The play order of the compact disc with the structure shown on the left is as follows:

001. mp3 → 002. wma. . . → 006. mp3

- MP3/WMA player: It is possible to play up to 192 folders or 255 files on one disc.
- USB memory:
  Maximum number of folder in device: 3000
  Maximum number of files in one folder: 255
  Maximum number of files in device: 9999
- The order changes depending on the PC and MP3/WMA encoding software you use.

CD-R AND CD-RW DISCS

- CD-R/CD-RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD-R/CD-RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.
- If you insert a CD-RW disc into the MP3/WMA player, playback will begin more slowly than with a conventional CD or CD-R disc.
- Recordings on CD-R/CD-RW cannot be played using the DDCD (Double Density CD) system.

TERMS

PACKET WRITE

- This is a general term that describes the process of writing data on-demand to CD-R, etc., in the same way that data is written to floppy or hard discs.

ID3 TAG

- This is a method of embedding track-related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to the number of characters, the information can be viewed when the track is played back.

WMA TAG

- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.

ISO 9660 FORMAT

- This is the international standard for the formatting of CD-ROM folders and files. For the ISO 9660 format, there are two levels of regulations.
- Level 1: The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one-byte capital letters and numbers. The "_" symbol may also be included.)
- Level 2: The file name can have up to 31 characters (including the separation mark "." and file extension). Each folder must contain fewer than 8 hierarchies.

m3u

- Playlists created using "WINAMP" software have a playlist file extension (.m3u).

MP3

- MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

WMA

- WMA (Windows Media Audio) is an audio compression format developed by Microsoft®. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8, and 9.

Gracenote®

- Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit www.gracenote.com.

- **Gracenote® End User License Agreement**

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Bluetooth® HANDS-FREE SYSTEM

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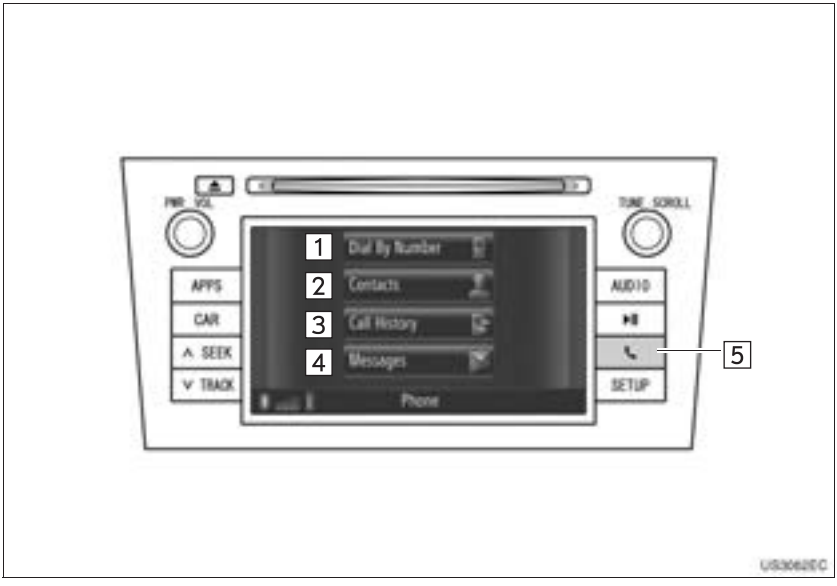
*: Point of Interest

1. QUICK REFERENCE

Pressing the button allows access to the “Phone” menu screen.

When the button is pressed, the screen that was last displayed is returned to. Touch to display the “Phone” menu screen.

▶“Phone” menu screen

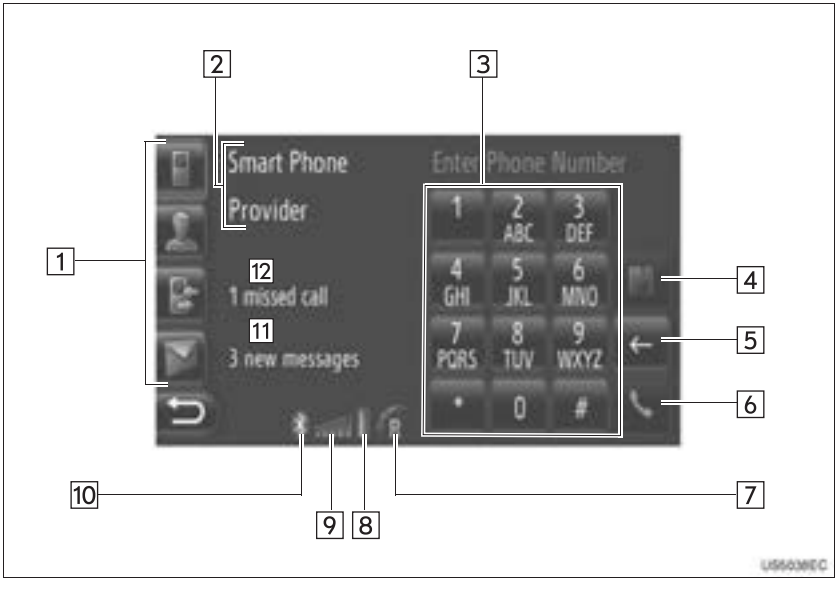


- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *“Owner’s Manual”*.

No.	Function	Page
1	Touch to display the “Dial By Number” screen. A call can be made by dialing the number.	153, 168
2	Touch to display the “Contacts” screen. An entry from the list of contacts in the “Stored” screen, “Phone Book” or “Speed Dials” can be selected and called.	168, 169, 170
3	Touch to display the “Call History” screen. An entry from the missed, received or dial call lists can be selected and called.	171
4	Touch to display the “Messages” screen. A list of received and sent short messages and a menu to create new short messages can be displayed.	177
5	Touch to display the “Phone” menu screen.	—

To display the “Dial By Number” screen, touch **“Dial By Number”** on the “Phone” menu screen, or touch on any of the “Phone” screens. The “Dial By Number” screen can also be displayed by pressing the switch on the steering wheel.

▶“Dial By Number” screen



No.	Name	Function
1	Shortcut keys	Touch the corresponding icon to change to the “Dial By Number”, “Contacts”, “Call History” or “Messages” screen.
2	The Name of phone and provider	Displaying name of the phone and provider. These information may not be displayed depending on the phone.
3	Number keys	Touch to input a phone number.
4	Save the number screen button	Touch to register a phone number.
5	Delete screen button	Touch to delete an input phone number.
6	Off hook screen button	Touch to make a phone call.
7	The receiving area	“R” is displayed when receiving in a Roaming area. • The receiving area may not be displayed depending on the phone.

No.	Name	Function
8	The amount of battery charge left	The six bars display the charge level of the phone's battery. • The amount displayed does not always correspond with the amount displayed on the cellular phone. The amount of battery charge left may not be displayed depending on the phone. This system does not have a charging function. • If this information is not available from the connected phone, the icon will be shown with a question mark.
9	The level of reception	The five bars display the level of reception. • The level of reception does not always correspond with the level displayed on the cellular phone. • The level of reception may not be displayed depending on the phone. • If this information is not available from the connected phone, the icon will be shown with a question mark.
10	Bluetooth® connection	The icon indicates an active BT-connection.
11	Short messages information	Displays short messages information.
12	Missed calls information	Displays missed calls information.

INFORMATION

- An antenna for the Bluetooth® connection is built into the instrument panel. The system may not function when you use the Bluetooth® phone in the following conditions and places:
  - When the cellular phone is obstructed by certain objects (such as when it is behind the seat or in the glove box and console box).
  - When the cellular phone touches or is covered with metal materials.

2. HANDS-FREE SYSTEM

Bluetooth® hands-free system allows you to make or receive a call without taking your hands off the steering wheel by connecting your cellular phone.

This system supports Bluetooth®. Bluetooth® is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle.

The operating procedure of the system is explained in this section.

● For registering and setting of the phone, see “Bluetooth® SETTINGS” on page 202.

CAUTION

- Use a cellular phone or connect the Bluetooth® phone only when safe and legal to do so.
- Your audio unit is fitted with Bluetooth® antennas. People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

- Do not leave your cellular phone in the car. The temperature inside may be high and damage the phone.
- If the Bluetooth® phone is too close to the system, quality of the sound may deteriorate and connecting condition may go down.

INFORMATION

- If your cellular phone does not support Bluetooth®, this system will not function.
- Depending on the cellular phone models, some functions may be restricted.
- In the following conditions, the system may not function.
  - The cellular phone is turned off.
  - The current position is outside the communication area.
  - The cellular phone is not connected.
  - The cellular phone has a low battery.
  - When outgoing is controlled, due to heavy traffic on telephone lines, etc.
  - When the cellular phone itself cannot be used
  - When transferring the phone book data from the cellular phone
- When using Bluetooth® audio and hands-free at the same time, the following problems may occur.
  - The Bluetooth® connection may be cut.
  - Noise may be heard on the Bluetooth® audio playback.
- The Bluetooth® phone battery will be depleted quickly when it is connected to Bluetooth®.

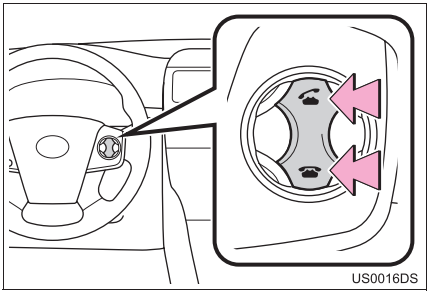
Bluetooth is a registered trademark of Bluetooth SIG, Inc.

INFORMATION

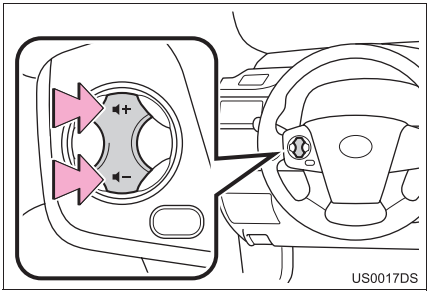
- This system supports the following service.
  - Bluetooth® Specification
    Ver.1.1 or higher
    (Recommended: Ver.2.1 + EDR or higher)
  - Profiles
    HFP (Hands Free Profile)
    Ver.1.0 or higher
    (Recommended: Ver.1.5 or higher)
    DUN (Dial-Up Networking Profile)
    Ver.1.1 or higher
    PAN (Personal Area Network)
    Ver. 1.0
    PBAP (Phone Book Access Profile)
    Ver.1.0 or higher
    SPP (Serial Port Profile)
    MAP (Message Access Profile)
  - Application
    PIM (Personal Information Manager)
- If your cellular phone does not support HFP, you cannot register the Bluetooth® phone, or use DUN/PAN or PBAP profiles individually.
- If the connected Bluetooth® phone version is older than recommended or incompatible, this function may not be used.

USING THE PHONE SWITCH AND MICROPHONE

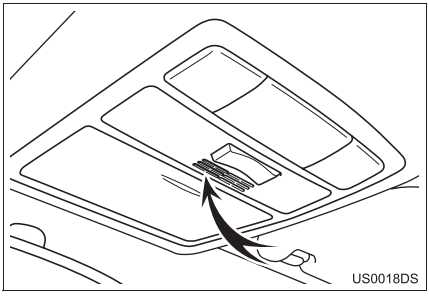
The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.



- By pressing the phone, you can receive a call or hang up without taking your hands off the steering wheel.



- By pressing the volume switch, you can adjust the volume.



- You can use the microphone when talking on the phone.

INFORMATION

- The other party's voice will be heard from the front speakers. The audio system will be muted during phone calls or when hands-free speech commands are used.
- Talk alternately with the other party on the phone. If you talk at the same time, your voices may not reach each other. (It is not a malfunction.)
- Keep the volume of receiving voice down. Otherwise, an echo will be heard and receiving voice can be heard outside of the vehicle. When you talk on the phone, speak clearly towards the microphone.
- In the following situations, your voice may not reach the other party.
  - Driving on an unpaved road. (Due to traffic noise.)
  - Driving at high speed.
  - A window is open.
  - Turning the air-conditioning vents towards the microphone.
  - The sound of the air-conditioning fan is loud.
  - There is an effect from the cellular phone network.

ABOUT THE PHONE BOOK IN THIS SYSTEM

- The following data is stored for every registered phone. When another phone is connecting, you cannot read the registered data.
  - Phone book data
  - Call history data

INFORMATION

- When you delete the phone, the above-mentioned data is also deleted.

WHEN YOU RELEASE YOUR CAR

A lot of personal data is registered when you use the Hands-free system. When you release your car, initialize your data. (See "DELETE PERSONAL DATA" on page 199.)

- You can initialize the following data in the system.
  - Phone book data
  - Call history data
  - Speed dial data
  - Bluetooth® phone data
  - Volume setting
  - Bluetooth® setting

INFORMATION

- If you initialize it, the former state will never come back again. Pay attention when initializing the data.

CAUTION

- FCC ID: QNG-BE2729
  IC ID: 6434A-BE2729
  MADE IN USA
  This device complies with Part 15 of the FCC Rules and RSS-210 of the industry Canada. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference, and
  (2) This device must accept any interference received, including interference that may cause undesired operation.
- FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- CAUTION: Radio Frequency Radiation Exposure
  This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).
- Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

3. CONNECTING A Bluetooth® PHONE

CONNECTING A Bluetooth® PHONE

In order to use the hands-free system, it is necessary to pair the phone and connect the phone's profile (HFP) with the system. (In this manual, pairing refers to a Bluetooth® device connecting with the system. Connecting refers to the paired device's profile(s) being connected to the system.)

Once the profile has been connected, hands-free calls can be made.

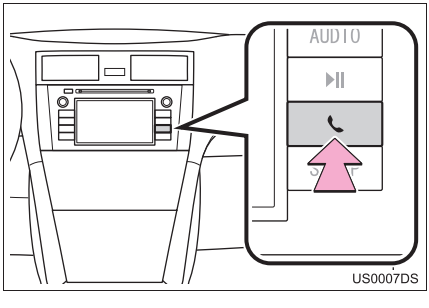
If you have not yet connected any Bluetooth® phones with phone profile (HFP), you must first pair your phone with phone profile (HFP) according to the following procedure. Connect your Bluetooth® phone with phone profile (HFP) after bringing the vehicle to a complete stop.

● See "Bluetooth® SETTINGS" on page 202 of additional registration when registering.

CONNECTING A Bluetooth® PHONE

CONNECTING FROM THE SYSTEM

1 Press the button.



2 Touch **"Search Bluetooth* devices"**.

3 Touch **"Add New Device"**.

4 Touch **"Search for Bluetooth* Devices"**.

● When another Bluetooth® device is currently connected, a pop-up window is displayed. To disconnect it, touch **"Yes"**.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

5 The following screen will be displayed while searching for a Bluetooth® device.

- To cancel this function, touch **"Cancel"**.

6 Touch the device to be paired.

- Connectable Bluetooth® devices will be displayed in the list.

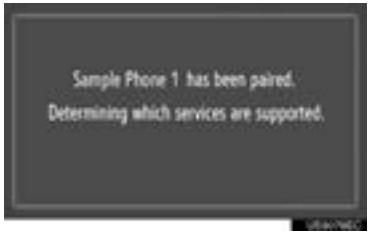
7 The following screen will be displayed.

- To cancel this function, touch **"Cancel"**.

8 Confirm the PIN.

- Confirm the PIN displayed on the screen, and then touch **"Accept"**.
- If the device does not support SSP (Secure Simple Pairing), input the PIN displayed on the screen into the device.

9 The following screen will be displayed when pairing is complete.



10 The system waits for connection requests coming from the paired device. Phone and Music profiles are typically connected automatically.

- If the automatic connection failed, the following screen will be displayed. Touch **"Connect for Phone"**.

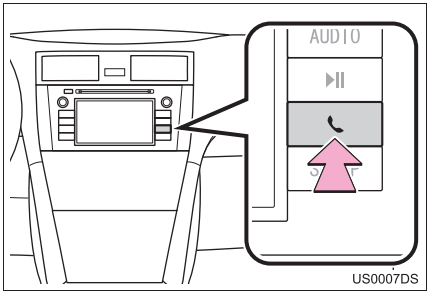
- Once the Bluetooth® phone has been connected, it will be automatically connected whenever the engine switch is turned to the "ACC" or "ON" position.

INFORMATION

- For details on device detection and the operation of your cellular phone, see the manual that comes with the cellular phone.

CONNECTING FROM THE DEVICE

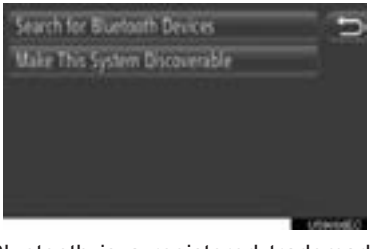
1 Press the button.



2 Touch **"Search Bluetooth* devices"**.

3 Touch **"Add New Device"**.

4 Touch **"Make This System Discoverable"**.



*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

- When another Bluetooth® device is currently connected, a pop-up window is displayed. To disconnect it, touch **"Yes"**.

5 The following screen will be displayed.

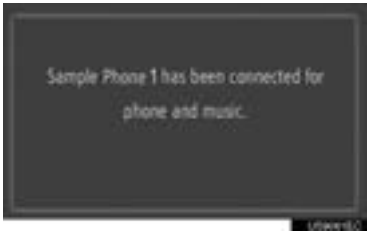
- To cancel this function, touch **"Cancel"**.

6 Confirm the PIN.

- Confirm the PIN displayed on the screen, and then touch **"Accept"**.
- If the device does not support SSP (Secure Simple Pairing), input the PIN displayed on the screen into the device.

7 The following screen will be displayed when pairing is complete.

8 The system waits for connection requests coming from the paired device. Phone and Music profiles are typically connected automatically.



RECONNECTING THE Bluetooth® PHONE

If a Bluetooth® phone is disconnected due to poor reception from the Bluetooth® network when the engine switch is in the “ACC” or “ON” position, the system will automatically reconnect the Bluetooth® phone.

- If the Bluetooth® phone is disconnected on purpose, such as it was turned off, this does not happen. Reconnect it manually using either of the following methods:
  - Select the Bluetooth® phone again. (See page 208.)
  - Connect the phone profile. (See page 204.)

4. REGISTERING AN ENTRY

REGISTERING A NEW ENTRY

Up to 200 numbers can be registered with this system.

INFORMATION

- This function cannot be operated while driving.

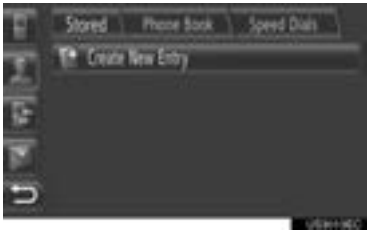
REGISTERING FROM THE "Contacts" SCREEN

1 Touch **"Contacts"**.

- The "Contacts" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Stored"** on the "Contacts" screen.

3 Touch **"Create New Entry"**.



4 Select one of 4 phone types (**"Mobile"**, **"Home"**, **"Work"** or **"Other"**) and input a number.

: Touch to delete one number. Touch and hold to continue deleting numbers.

- You can enter a number for each phone type.

5 Touch .

6 Input the entry name.

7 Touch **"OK"**.

8 The entry is registered in the "Stored" list.

- Touch to display and edit the entry information. (See page 166.)

REGISTERING FROM THE "Dial By Number" SCREEN

1 Touch **"Dial By Number"** on the "Phone" menu screen.

- The "Dial By Number" screen can be displayed by touching on any of the "Phone" screens.
- You can also press the switch on the steering wheel to display the "Dial By Number" screen.

2 Input the numbers.

3 Touch .

4 Follow the steps "REGISTERING FROM THE "Contacts" SCREEN" from "STEP 6". (See page 163.)

INFORMATION

- The phone type is registered as "Mobile".

REGISTERING FROM THE "Phone Book" SCREEN

1 Search the entry by "Phone Book". (See page 169.)

2 Touch for desired item.

3 Touch **"Add to Stored Phone Numbers"**.

4 Follow the steps "REGISTERING FROM THE "Contacts" SCREEN" from "STEP 6". (See page 163.)

INFORMATION

- The phone type is registered as "Mobile".
- If the contact includes an address and a phone number, they will be stored in the "Stored" list on the "My Destinations" screen and "Contacts" screen. (See pages 52 and 163.)

REGISTERING FROM THE "Call History" SCREEN

1 Searching the entry by "Call History". (See page 171.)

2 Touch next to the desired item.

3 Follow the steps "REGISTERING FROM THE "Contacts" SCREEN" from "STEP 6". (See page 163.)

INFORMATION

- The phone type is registered as "Mobile".

REGISTERING FROM AN EXTERNAL DEVICE

"vCard" formatted data can be transferred from a USB memory to this system. Transferred addresses and numbers will be stored in the "Stored" list on the "My Destinations" screen and "Contacts" screen. (See pages 52 and 163.)

REGISTERING AN ENTRY AS "Speed Dials"

Phone numbers from the list in the "Stored" screen and "Phone Book" can be registered as speed dials. Up to 15 speed dials can be registered.

1 Touch **"Contacts"**.

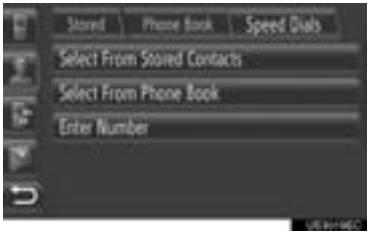
- The "Contacts" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Speed Dials"** on the "Contacts" screen.

3 Touch the desired speed dial screen button the phone number is to be registered to.

4 Touch **"Yes"**.

5 Touch the desired list to select the entry.



6 Touch the desired entry to register.

- If there are 2 or more phone numbers, touch the desired number in the list.

7 The entry is registered as "Speed Dials".

- Touch to display and edit the entry information. (See page 166.)

DISPLAYING AND EDITING THE ENTRY INFORMATION

Detailed information of entries in the list can be displayed or edited.

1 Touch next to the desired entry on the “Contacts” screen.

▶Entry options screen of the “Stored” and “Speed Dials” list

▶Entry options screen of the “Phone Book” list

- On this screen, the following functions can be operated.

No.	Function
1	Touch to display the details of the entry information. • Touch the desired entry to call it.
2	Touch to change the entry name. (See page 166.)
3	Touch to edit phone numbers. (See page 167.)
4	Touch to delete the entry.
5	Touch to delete all entries.
6	Touch to register the entry in the “Stored” list on the “My Destinations” screen and “Contacts” screen. (See page 164.)

INFORMATION

- **“Rename XX”** and **“Edit Phone Numbers”** cannot be operated while driving.

CHANGING THE ENTRY NAME

1 Touch **“Rename XX”** on the entry options screen.

2 Input the entry name.

3 Touch **“OK”**.

EDITING PHONE NUMBERS

1 Touch **"Edit Phone Numbers"** on the entry options screen.

2 Select one of 4 phone types and input a number.

: Touch to delete one number. Touch and hold to continue deleting numbers.

- You can edit a number for each phone type.

3 Touch .

INFORMATION

- If an entry that is transferred from a cellular phone is edited, the change will affect the entry in the "Stored" list on the "My Destinations" screen and "Contacts" screen. (See pages 52 and 163.)

SENDING STORED CONTACTS TO A USB MEMORY

The entries stored in the "Stored" list on the "My Destinations" screen and "Contacts" screen can be transferred to a USB memory. (See page 58.)

1. CALLING ON A Bluetooth® PHONE

After a Bluetooth® phone has been connected, a call can be made using the hands-free system. There are several methods by which a call can be made. These are described below.

BY DIAL

You can call by inputting the phone number.

1 Press the switch on the steering wheel.

- The “Dial By Number” screen can be displayed by touching **“Dial By Number”** on the “Phone” menu screen or on any of the “Phone” screens.

2 Touch the desired key to input the phone number.

: Touch to delete one number. Touch and hold to continue deleting numbers.

- When is touched, the number is registered in the “Stored” list on the “Contacts” screen. (See page 164.)

3 Touch .

4 The connecting screen will be displayed.

- To cancel the call, touch **“End Call”**.

INFORMATION

- This function cannot be operated while driving.

BY “Stored” LIST ON THE “Contacts” SCREEN

Calls can be made using the “Stored” list on the “Contacts” screen. To use this function, it is necessary to register the entry. (See page 163.)

1 Touch **“Contacts”**.

- The “Contacts” screen can be displayed by touching on any of the “Phone” screens.

2 Touch **“Stored”** on the “Contacts” screen.

3 Touch the desired entry.

- Touch to display and edit the entry information. (See page 166.)

- If there are 2 or more phone numbers, touch the desired number in the list.

4 The connecting screen will be displayed.

- To cancel the call, touch **"End Call"**.

BY PHONE BOOK

Calls can be made using the phone book data of the connected cellular phone. The phone book changes depending on the phone connected.

If a contact does not have phone number stored, the entry will be dimmed.

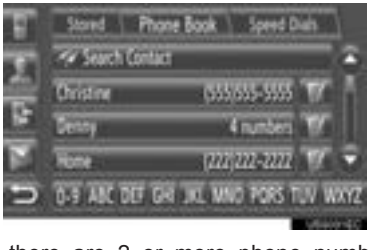
You can update the Phone's book list. (See page 213.)

1 Touch **"Contacts"**.

- The "Contacts" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Phone Book"** on the "Contacts" screen.

3 Touch the desired entry.



- If there are 2 or more phone numbers, touch the desired number in the list.

- Touch **"Search Contact"** to search by the contact's name. This function cannot be operated while driving.
- Touch to display and edit the entry information. (See page 166.)

4 The connecting screen will be displayed.

- To cancel the call, touch **"End Call"**.

INFORMATION

- When a phone is connected for the first time, its phone book must be downloaded. If the phone book can not be downloaded, a pop-up window will be displayed.

BY SPEED DIALS

You can call by "Speed Dial" number list. Registering number in the "Speed Dial" number list is to see page 165.

1 Touch **"Contacts"**.

- The "Contacts" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Speed Dials"** on the "Contacts" screen.

3 Touch the desired entry.

- Touch to display and edit the entry information. (See page 166.)

4 The connecting screen will be displayed.

- To cancel the call, touch **"End Call"**.

BY CALL HISTORY

Calls can be made using one of the 4 call lists functions.

1 Touch **"Call History"**.

- The "Call History" screen can be displayed by touching on any of the "Phone" screens.

2 Touch the desired list.

"All": Touch to display all numbers (missed, received and dialed).

"Missed": Touch to display missed calls.

"Received": Touch to display received calls.

"Dialed": Touch to display dialed numbers.

- The state of a call is shown by the following icons.

: Missed

: Received

: Dialed

- When is touched, the entry is registered in the "Stored" list on the "Contacts" screen. (See page 164.)

3 Touch the desired entry.

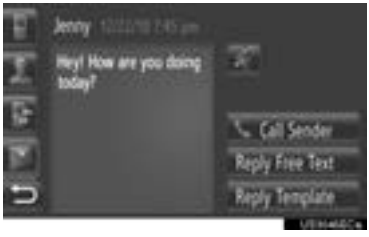
4 The connecting screen will be displayed.

- To cancel the call, touch **"End Call"**.

CALLING USING A SHORT MESSAGE

Calls can be made to a short message sender's phone number. (See page 177.)

1 Touch **"Call Sender"**.



2 The connecting screen will be displayed.

- To cancel the call, touch **"End Call"**.

BY POI CALL

Calls can be made to a POI when its details are displayed on the screen. (See pages 32 and 36.)

1 Touch .

2 The connecting screen will be displayed.

- To cancel the call, touch **"End Call"**.

2. RECEIVING CALLS ON A Bluetooth® PHONE

When a call is received, this screen is displayed and a sound is heard.

1 Press the ☎ switch on the steering wheel.

"Accept": Touch to talk on the phone.

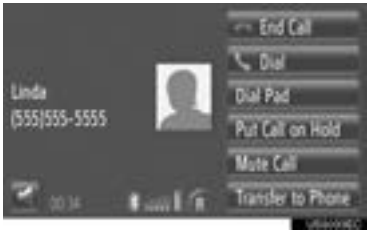
"Reject": Touch to reject the call.

- The layout of the incoming call screen may differ depending on the information available from the connected phone.

- Ringtone and ringtone volume can be set. (See pages 197 and 213.)

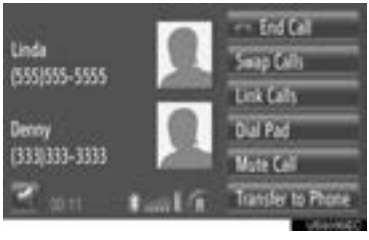
▶Single call

2 The ongoing screen is displayed. (See page 174.)



▶Call waiting

2 The ongoing screen is displayed. (See page 174.)



- The first call is put on hold.
- The second call's information is displayed below the first call information.

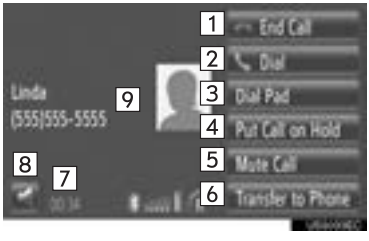
INFORMATION

- During international phone calls, the other party's name may not be displayed correctly depending on the cellular phone which you have.

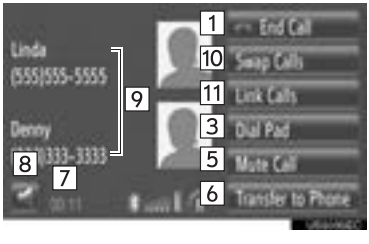
3. TALKING ON A Bluetooth® PHONE

While you are talking on a Bluetooth® phone, the ongoing screen is displayed. The operations outlined below can be performed on this screen.

▶Single call



▶Call waiting



- On this screen, the following functions can be operated.

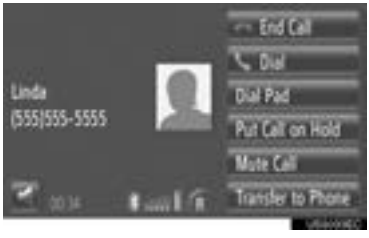
No.	Function
1	Touch to hang up the phone. • The switch on the steering wheel can also be pressed to hang up the phone.
2	Touch to dial a second number. (See page 175.)
3	Touch to send a tone. (See page 175.)
4	Touch to put a call on hold. To cancel this function, touch **"Active call"**.
5	Touch to mute your voice. To cancel muting your voice, touch **"Unmute call"**.
6	Touch to transfer the call. Touch **"Transfer to Phone"** to change from Hands-free call to cellular phone call. Touch **"Handsfree mode"** to change from cellular phone call to Hands-free call.
7	Displays a call duration.
8	Touch to adjust the volume of the other party's voice. (See page 175.)
9	Displays the name, number and picture of the other party. The information shown here may differ depending on the information available from your phone.
10	Touch to change parties.
11	Touch to change to a conference call.

INFORMATION

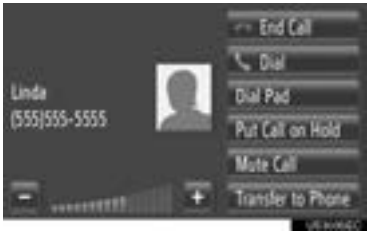
- When you change from cellular phone call to Hands-free call, the Hands-free screen will be displayed and the call can be operated on the screen.
- Transferring methods will be different depending on the type of cellular phone which you have.
- For the operation of the phone, see the manual that comes with your cellular phone.

ADJUSTING THE RECEIVER VOLUME

1 Touch .



2 Touch **"-"** or **"+"** to adjust the volume of the other party's voice.



- The receiver volume can also be adjusted using the switch on the steering wheel.

SENDING TONES

1 Touch **"Dial Pad"**.

2 Inputting the numbers.

- Input numbers are sent immediately as tones.
- Touch **"Quit"** to return the previous screen.

DIALING A SECOND NUMBER

1 Touch **"Dial"**.

2 Touch the desired method to call.

▶If **"Dial Number"** is selected

3 Input the number and then touch .

▶If **"Dial From Contacts"** is selected

3 Touch the desired method and then touch the desired entry.

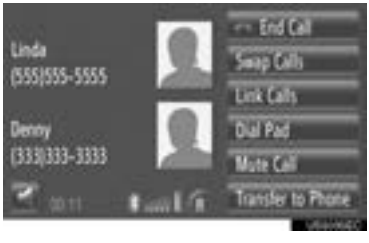
▶If **“Dial From Call History”** is selected

3 Touch the desired list and then touch the desired entry.

4 The connecting screen will be displayed.

- To cancel the call, touch **“End Call”**.

5 When a new call has been established, the following screen will be displayed.



- The first call is put on hold.
- The second call’s information is displayed below the first call information.

INFORMATION

- **“Dial Number”** cannot be operated while driving.

CHANGING PARTIES

1 Touch **“Swap Calls”**.

- Every time **“Swap Calls”** is touched, the party who is on hold will be switched.

CHANGING TO A CONFERENCE CALL

1 Touch **“Link Calls”**.

INFORMATION

- If your cellular phone is not HFP Ver. 1.5 compatible, this function can not be used.
- Dialing a second number operation may differ depending on your phone company and cellular phone.

1. SHORT MESSAGE FUNCTION

Received messages can be forwarded from the connected Bluetooth® phone, enabling checking and replying using this system.

INFORMATION

- This feature is only available on supported Bluetooth® devices. Please check the phone manufacturer website and http://toyota.com/connect for details.

NEW SHORT MESSAGE NOTIFICATION POP-UP WINDOW

When a new short message is received, a pop-up window is displayed on the screen.

- This function can be set to **"On"** or **"Off"**. (See page 213.)

CHECKING RECEIVED SHORT MESSAGES

1 Touch **"Messages"**.

- The "Messages" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Inbox"** on the "Messages" screen.

3 Touch the desired short message.

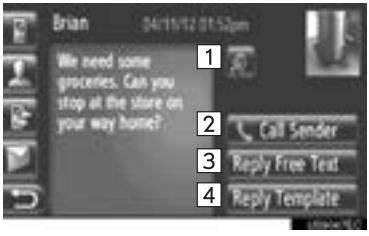
- The state of a message is shown by the following icons.

: New message

: Read message

: Unread message

4 The short message will be displayed.



- On this screen, the following functions can be operated.

No.	Function
1	Touch to have the short message read out. To cancel this function, touch .
2	Touch to call the sender.
3	Touch to reply to the short message by free text.
4	Touch to reply to the short message by template.

REPLYING THE SHORT MESSAGE

1 Touch **"Reply Free Text"** or **"Reply Template"**.

2 Input the short message.

3 Touch **"OK"**.

4 The short message will be sent.

INFORMATION

- **"Reply Free Text"** cannot be selected while driving.

CHECKING SENT SHORT MESSAGES

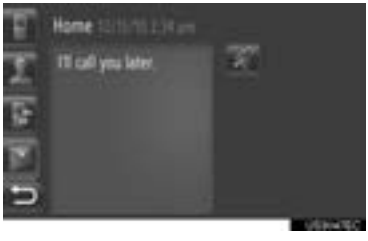
1 Touch **"Messages"** on the "Phone" menu screen.

- The "Messages" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Sent"** on the "Messages" screen.

3 Touch the desired short message.

4 The short message will be displayed.



: Touch to have the short message read out. To cancel this function, touch .

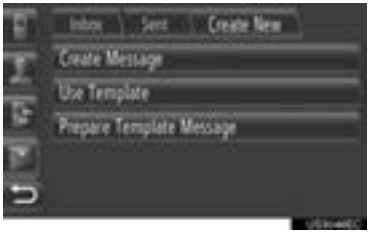
SENDING A NEW SHORT MESSAGE

1 Touch **"Messages"** on the "Phone" menu screen.

- The "Messages" screen can be displayed by touching on any of the "Phone" screens.

2 Touch **"Create New"** on the "Messages" screen.

3 Touch **"Create Message"** or **"Use Template"**.



4 Input the short message. (See page 180.)

5 Touch **"OK"**.

6 Select the desired number/contact to whom the short message should be sent.

- **"Enter Number"**, **"Select Contact"** and a list of former recipients will be displayed.

▶If **"Enter Number"** is selected

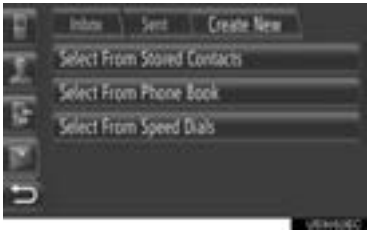
7 Enter the number.

8 Touch **"OK"**.

9 The short message will be sent.

▶If **"Select Contact"** is selected

7 Touch the desired list.



8 Touch the desired contact.

9 The short message will be sent.

▶If a recipient is selected

7 The short message will be sent immediately.

INFORMATION

- **"Create Message"** cannot be selected while driving.

CREATE A NEW SHORT MESSAGE

FROM THE “Create Message” SCREEN

1 Input the short message.

2 Touch **“OK”**.

FROM THE “Use Template” SCREEN

1 Touch the desired template.

: Touch to delete the template.

- 10 messages have already been registered to the message template screen.

2 Edit the short message.

- This screen is not displayed while driving. When a template is touched, the screen will be changed to the recipient selection screen.

3 Touch **“OK”**.

INFORMATION

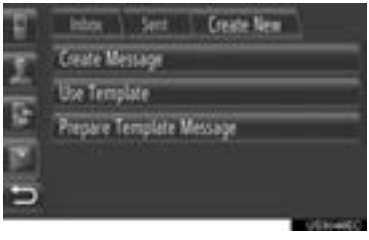
- The cursor’s position can be moved by touching the desired location in the input screen. Touch or to scroll the input screen up or down.
- The short messages can contain up to 160 characters. If the entered text exceeds the characters available for one short message, a new short message will begin automatically. This is indicated by a separation line and an icon in the input field, which is shown as soon as there are only 10 characters left for the short message.

- The number of characters left for the short message is displayed.
- A maximum of 6 short messages can be written in series.

REGISTER NEW TEMPLATES

New templates can be created. Up to 15 templates can be registered.

1 Touch **"Prepare Template Message"**.



2 Input the short message.

3 Touch **"OK"**.

4 The message is registered in the template list on the "Use Template" screen.

INFORMATION

- This function is unavailable while driving.

6

VOICE COMMAND SYSTEM

1 VOICE COMMAND SYSTEM OPERATION

1. VOICE COMMAND SYSTEM FOR NAVIGATION, AUDIO, HANDS-FREE 184

USING THE VOICE COMMAND SYSTEM FOR NAVIGATION, AUDIO, HANDS-FREE 184

VOICE COMMAND SYSTEM OPERATION 185

2. VOICE COMMAND SYSTEM FOR APPS 187

VOICE COMMAND SYSTEM FOR APPS OPERATION 187

1. VOICE COMMAND SYSTEM FOR NAVIGATION, AUDIO, HANDS-FREE

The voice command system enables the navigation, audio and hands-free systems to be operated using voice commands.

INFORMATION

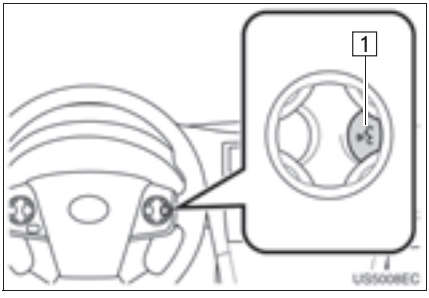
- Voice recognition language can be changed.(See “SELECTING A LANGUAGE” on page 198.)
- For voice command system for Apps specific functions, please see page 187 for details.

USING THE VOICE COMMAND SYSTEM FOR NAVIGATION, AUDIO, HANDS-FREE

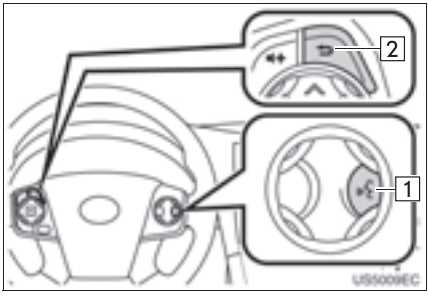
The actual design and button position will differ depending on the vehicle. For details, refer to vehicle *“Owner’s Manual”*.

STEERING SWITCHES FOR THE VOICE COMMAND SYSTEM FOR NAVIGATION, AUDIO, HANDS-FREE

▶Type A (two direction steering switch)



▶Type B (four direction steering switch)



1 Talk switch

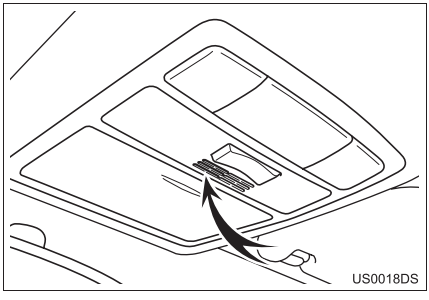
- Press the talk switch to start the voice command system.
- Press and hold the talk switch to cancel the voice command system.

2 Back switch

- Press the back switch to return to the previous screen.

MICROPHONE

The microphone is directed toward the driver. It is unnecessary to speak directly into the microphone when giving a command. Passengers may not be heard as clearly by the microphone.



INFORMATION

- Wait for the confirmation beep before speaking a command.
- Voice commands may not be recognized if:
  - Spoken too quickly.
  - Spoken at a low or high volume.
  - The windows are open.
  - Passengers are talking while voice commands are spoken.
  - The air conditioning speed is set high.
  - The air conditioning vents are turned towards the microphone.
- In the following conditions, the system may not recognize the command properly and using voice commands may not be possible:
  - The command is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for the system to recognize.
  - There is excessive background noise, such as wind noise.

VOICE COMMAND SYSTEM OPERATION

1 Press the talk switch.

- The voice command system is activated.

- Press the talk switch to stop the currently played prompt and skip to the next dialog step.
- In case of an activated speech recognizer waiting for input, press the talk switch to restart the speech recognizer. (The recognizer drops the previous input and waits for new input from the user.)

2 After a beep sounds, say the desired command or touch the desired command.

: This icon will be displayed if the user can speak a command.

: Touch to adjust the volume of the voice guidance volume.

DISPLAYING THE COMMAND LIST SCREEN

1 Say ***"More commands"*** or touch **"More commands"** on the voice command main menu screen.

2 Say the desired command or touch the desired command.

3 Say the desired command or touch the desired command.

- The command list is read out and the corresponding command is highlighted. To cancel this function, press the talk switch.

VOICE COMMAND EXAMPLE: PERFORMING A DESTINATION SEARCH BY ADDRESS

Say ***"Destination"*** and the House No., Street, City and State in one shot.

1 Press the talk switch on the steering wheel.

2 After the beep say ***"Destination, 9000 Super Bowl Dr, Pasadena, California"***.

- Quick tip: For the street address number 9000, say ***"Nine Thousand"*** or ***"Nine Zero Zero Zero"***.

VOICE COMMAND EXAMPLE: DIAL NUMBER

1 Press the talk switch on the steering wheel.

2 After the beep, say ***"Call 123 456 7899"***.

- Quick tip: Say the phone number digits individually, without pausing.

VOICE COMMAND EXAMPLE: SEARCH FOR A TRACK USING ARTIST NAME OR ALBUM NAME

1 Press the talk switch on the steering wheel.

2 After the beep, say ***"Play Michael Jackson Thriller"*** or ***"Play Artist Michael Jackson"*** or ***"Play Album Thriller"***.

- Quick tip: Say artist name followed by song title.

2. VOICE COMMAND SYSTEM FOR APPS

The voice command system for Apps enables Apps specific functions to be operated using voice commands.

INFORMATION

- Voice command system for Apps require an internet connection.
- Some Apps may not have voice command functionality.

VOICE COMMAND SYSTEM FOR APPS OPERATION

1 Press on an Apps screen.

- be displayed on an Apps screen if the user can speak a command specific to that App function. Please touch to speak a command.

2 After a beep sounds, say the desired command.

- Command list will be displayed on the screen.

7

VEHICLE INFORMATION

1 VEHICLE INFORMATION

1. QUICK REFERENCE 190

2. FUEL CONSUMPTION..... 191

FUEL CONSUMPTION (VEHICLES WITH HYBRID SYSTEM)..... 191

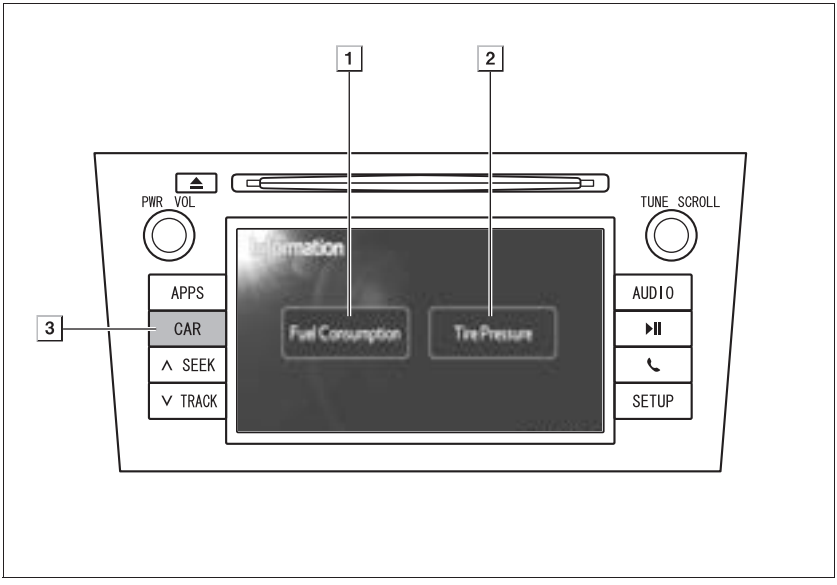
FUEL CONSUMPTION (VEHICLES WITH GASOLINE ENGINE)..... 191

3. TIRE PRESSURE WARNING SYSTEM..... 193

SHOWING THE TIRE PRESSURE SCREEN 193

1. QUICK REFERENCE

Fuel consumption information and tire pressure value can be displayed. To access the vehicle information system, press the **“CAR”** button.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *“Owner’s Manual”.*
- The “Information” screen shown above is displayed if the vehicle is equipped with both a fuel consumption and a tire pressure warning system.

No.	Name	Function	Page
1	“Fuel Consumption”*	Displays the “Trip Information”, “History” and “Energy Monitor” screen.	191
2	“Tire Pressure”*	Displays the “Tire Pressure” screen.	193
3	“CAR” button*	Press the “CAR” button to access the vehicle information system. Functions vary by vehicle.	—

*: If equipped

2. FUEL CONSUMPTION*

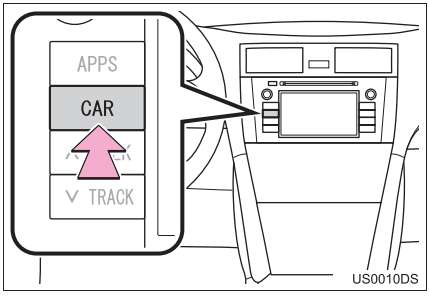
FUEL CONSUMPTION (VEHICLES WITH HYBRID SYSTEM)

Fuel consumption such as shown below can be displayed on the screen. For details, refer to vehicle *"Owner's Manual"*.

- Energy monitor
- Trip consumption
- History

FUEL CONSUMPTION (VEHICLES WITH GASOLINE ENGINE)

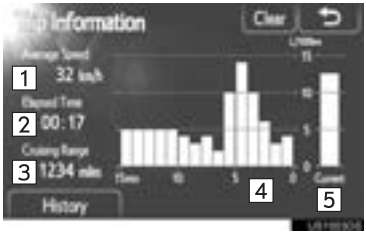
1 Press the **"CAR"** button.



2 Touch **"Fuel Consumption"**.

- "Trip Information" or "History" screen will be displayed.
- The "Information" screen is not displayed if the vehicles not equipped with a tire pressure warning system.

TRIP INFORMATION



- If the "Trip Information" screen is not displayed, touch **"Trip Information"**.

No.	Name
1	Average speed
2	Elapsed time
3	Cruising range
4	Previous fuel consumption per minute
5	Current fuel consumption per minute

"Clear": Trip information data can be delete by touching this screen button.

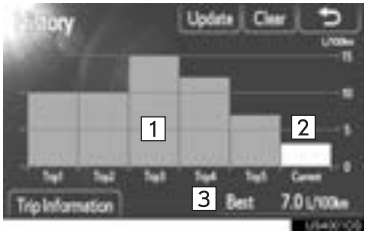
"History": "History" screen can be displayed by touching this screen button.

INFORMATION

- The trip information display indicates general driving conditions. Accuracy varies with driving habits and road conditions.

*: If equipped

HISTORY



- If the “History” screen is not displayed, touch **“History”**.

No.	Name
1	Previous fuel economy record
2	Current fuel economy
3	Best recorded fuel economy

- The average fuel consumption history is divided by color into past averages and the average fuel consumption since the last reset.

“Clear”: Past record data can be delete by touching this screen button.

“Update”: Reset the average fuel consumption to measure the current fuel consumption again.

▶Vehicle with multi-information display

When you touch **“Update”**, the average fuel consumption displayed in the multi-information display will be reset at the same time.

“Trip Information”: “Trip Information” screen can be displayed by touching this screen button.

3. TIRE PRESSURE WARNING SYSTEM*

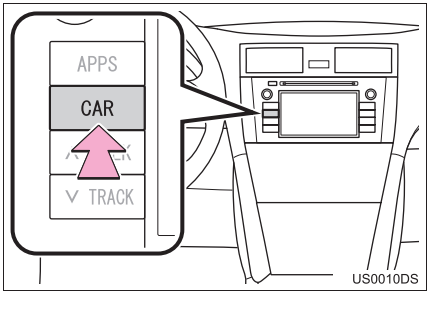
Vehicles equipped with a tire pressure warning system will display a warning screen in addition to a warning indication on the meter if tire pressure becomes low. For information on the tire pressure warning system, refer to vehicle *"Owner's Manual"*.

- To confirm tire pressure values, touch **"Yes"**. To cancel and return to the previous screen, touch **"No"**. (This screen will not be shown if the tire pressure screen is already being displayed.)

SHOWING THE TIRE PRESSURE SCREEN

The tire pressure value of each tire can be confirmed using the tire pressure screen.

1 Press the **"CAR"** button.

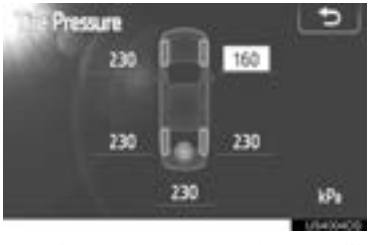


2 Touch **"Tire Pressure"**.

3 The tire pressure value of each tire will be displayed.

▶Type A

▶Type B



- Low tire pressure values will be displayed in orange.
- The display pattern varies depending on the vehicle. Some vehicles do not show the spare tire pressure.

*: If equipped

8

SETUP

1 SETUP OPERATION

1. QUICK REFERENCE 196

2. GENERAL SETTINGS 197

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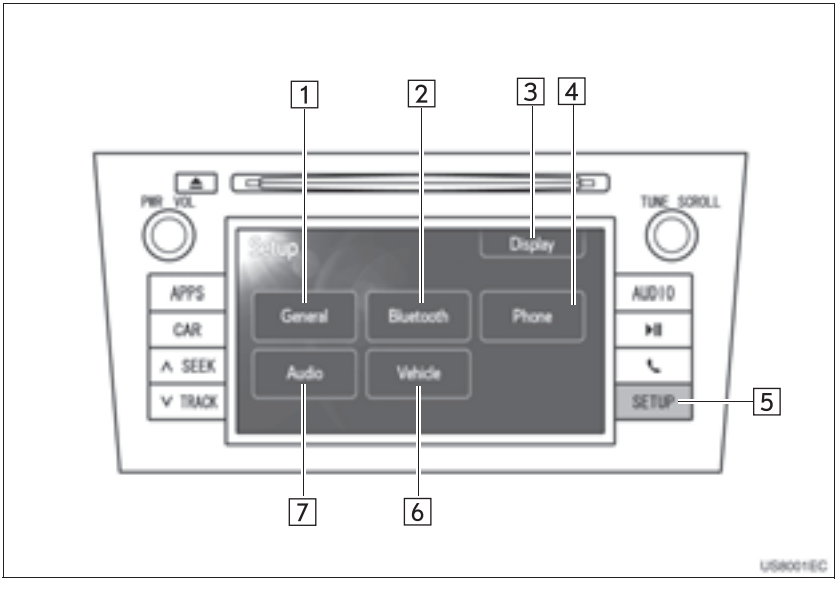
SCREEN FOR PHONE SETTINGS..... 213

6. AUDIO SETTINGS 214

7. VEHICLE SETTINGS 215

1. QUICK REFERENCE

To customize the function settings, press the **"SETUP"** button.



- The actual design and button position will differ depending on the vehicle. Some buttons will be in different positions or not shown. For details, refer to vehicle *"Owner's Manual"*.

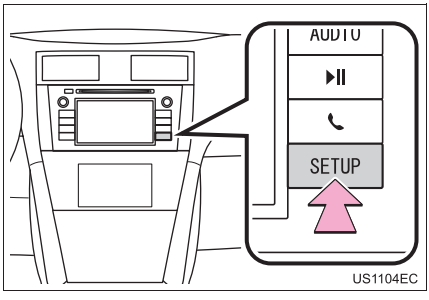
No.	Name	Function	Page
1	"General"	Settings are available for language selection, operation sounds, etc.	197
2	"Bluetooth*"	Registering, removing, connecting and disconnecting Bluetooth® devices and settings are available for Bluetooth®.	202
3	"Display"	Settings are available for contrast and brightness of the screen.	200
4	"Phone"	Settings are available for phone sound, phone book, etc.	213
5	"SETUP" button	Press this button to display the "Setup" screen.	197, 200, 202, 213, 214, 215
6	"Vehicle"	Settings are available for vehicle customization.	215
7	"Audio"	Settings are available for HD Radio™ system.	214

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

2. GENERAL SETTINGS

Settings are available for language selection, operation sounds, etc.

1 Press the **"SETUP"** button.



2 Touch **"General"**.

3 Touch the items to be set.

4 Touch **"Save"**.

SCREENS FOR GENERAL SETTINGS

- On this screen, the following functions are operational.

No.	Function
1	You can change the language. (See "SELECTING A LANGUAGE" on page 198.)
2	**"On"** or **"Off"** can be selected to sound beeps.
3	The personal data can be deleted. (See "DELETE PERSONAL DATA" on page 199.)
4	Touch to set the distance unit to **"Kilometer"** or **"Mile"**.

No.	Function
5	Touch to change a keyboard layout. (See “SELECTING A KEYBOARD LAYOUT” on page 199.)
6	Touch to change the system volume settings.
7	The entries stored in the “Stored” list on the “My Destinations” screen and “Contacts” screen (See pages 52 and 163.) can be transferred to a USB memory. (See “SENDING/RESTORING STORED CONTACTS USING A USB MEMORY” on page 58.)
8	Touch to display the system information. The screen shows the software version.
9	Touch to set the navigation prompt volume.
10	Touch to set the phone volume.
11	Touch to set the ringtone volume.
12	Touch to set the voice dialog volume.

SELECTING A LANGUAGE

The desired language can be selected.

1 Press the **“SETUP”** button.

2 Touch **“General”** on the “Setup” screen.

3 Touch **“Language”**.

4 Touch the desired screen button.

- The previous screen will be displayed.
- The selectable languages may differ depending on the model or region.

5 Touch **“Save”**.

DELETE PERSONAL DATA

1 Press the **"SETUP"** button.

2 Touch **"General"** on the "Setup" screen.

3 Touch **"Delete Personal Data"**.

4 Touch **"Delete"**.

INFORMATION

- The following personal data can be deleted or returned to their default settings:
  - Phone book data
  - Call history data
  - Speed dial data
  - Bluetooth® devices data
  - Phone sound setting
  - Bluetooth® setting
  - Sound setting

SELECTING A KEYBOARD LAYOUT

1 Press the **"SETUP"** button.

2 Touch **"General"** on the "Setup" screen.

3 Touch **"Keyboard Layout"**.

4 Touch the desired keyboard layout.

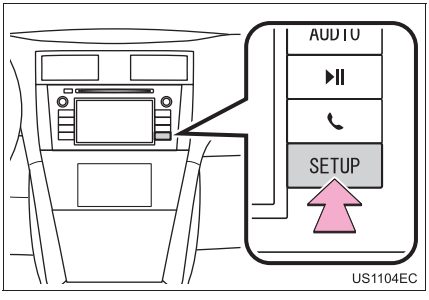
"QWERTY": Latin characters, "QWERTY"-Layout

"ABC": Latin characters, "ABC"-Layout

3. DISPLAY SETTINGS

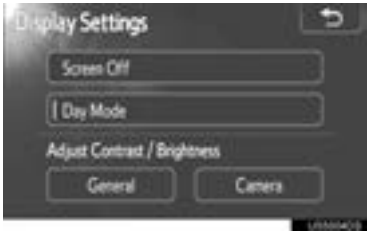
You can adjust the contrast and brightness of the screen. You can also turn the display off.

1 Press the **"SETUP"** button.



2 Touch **"Display"**.

3 Touch the items to be set.



- Please refer to the following pages for each setting.

TURN OFF DISPLAY

1 Press the **"SETUP"** button.

2 Touch **"Display"** on the "Setup" screen.

3 Touch **"Screen Off"**.

- The display screen will be turned off. To turn it on, press the **"AUDIO"**, **"CAR"** or **"SETUP"** button.
- The rear view monitor system may not be available on all models.

CHANGING BETWEEN DAY AND NIGHT MODE

Depending on the position of the headlight switch, the screen changes to day or night mode.

1 To display the screen in day mode even with the headlight switch on, touch **"Day Mode"** on the adjustment screen.

INFORMATION

- If the screen is set in day mode with the headlight switch turned on, this condition is memorized even with the engine switch turned off.

ADJUST CONTRAST/ BRIGHTNESS

1 Press the "**SETUP**" button.

2 Touch **"Display"** on the "Setup" screen.

3 Touch **"General"** or **"Camera"**, in which you want to make an adjustment.

4 Select **"Contrast"** or **"Brightness"** using the « or ».

5 Adjust the contrast or brightness using the **"+"** or **"-"**.

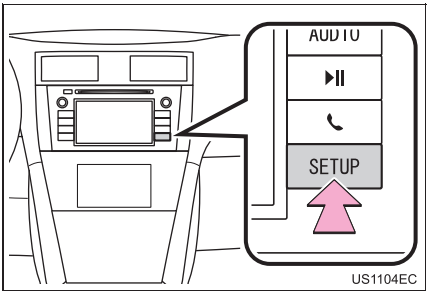
Screen button	Function
"Contrast" "+"	Strengthens the contrast of the screen
"Contrast" "-"	Weakens the contrast of the screen
"Brightness" "+"	Brightens the screen
"Brightness" "-"	Darkens the screen

6 After adjusting the screen, touch **"OK"**.

4. Bluetooth® SETTINGS

To set up a Bluetooth® device.

1 Press the **"SETUP"** button.



2 Touch **"Bluetooth*"**.

3 The following screen will be displayed.

- Please refer to the following pages for a description of each setting.

Bluetooth® FUNCTION ON/OFF

The Bluetooth® function can be switched on or off.

1 Touch **"Bluetooth* On"** or **"Bluetooth* Off"**.

INFORMATION

- When Bluetooth® function is off, **"Add New Device"**, **"Paired Device List"**, **"Set System Name"** and **"Set PIN for Pairing"** will be dimmed.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

CHANGING THE SYSTEM NAME

The system name for can be changed.

Leave the default “CAR MULTIMEDIA” or pick your own unique name for your car.

1 Touch **“Set System Name”**.

2 Input the new name.

3 Touch **“OK”**.

INFORMATION

- Some devices/smartphones may need to be powered off and restarted for the new name to be shown on the device/phone.

SETTING THE PIN

The PIN can be changed to help prevent connecting to the wrong device.

1 Touch **“Set PIN for Pairing”**.

2 Input the desired number.

3 Touch **“OK”**.

- A 4 to 8-digit PIN can be selected.

PAIRING A Bluetooth® DEVICE

Up to 4 Bluetooth® devices can be paired. A paired device can be connected to any of its supported profiles such as phone, music and/or internet.

CONNECTING FROM THE SYSTEM

The system can be used to initiate a search for available Bluetooth® Devices. The Bluetooth® device must be turned on and discoverable.

1 Touch **"Add New Device"**.

2 Touch "**Search for Bluetooth* Devices"**.

- When another Bluetooth® device is currently connected, a pop-up window is displayed. To disconnect it, touch **"Yes"**.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

3 The following screen will be displayed while searching for a Bluetooth® device.

- To cancel this function, touch **"Cancel"**.

4 Touch the device to be paired.

- Connectable Bluetooth® devices will be displayed in the list.

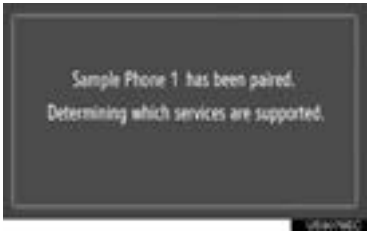
5 The following screen will be displayed.

- To cancel this function, touch **"Cancel"**.
- The PIN shown will be the default number unless an alternate PIN is selected. (See page 203.)

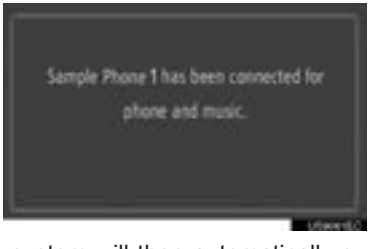
6 Confirm the PIN.

- Confirm the PIN displayed on the screen, and then touch **"Accept"**.
- If the device does not support SSP (Secure Simple Pairing), input the PIN displayed on the screen into the device.

7 The following screen will be displayed when pairing is complete.



8 The system waits for connection requests coming from the paired device. Phone and music profiles are typically connected automatically.



The system will then automatically switch to the phone menu.

- Once the connection is made, the system is ready to make and receive calls.
- Due to differences in cellular phones, it may take some time to transfer your phone's contact information into the system. Not all phones can transfer data in the correct format.
- If the automatic connection failed, the following screen will be displayed. Touch the desired profile to be connected.

"Connect for Phone": Touch to connect the phone profile.

"Connect for Music": Touch to connect the music profile.

"Connect for Internet": Touch to connect the internet profile. (Applies when using an Android or BlackBerry device and cellular phone data plan)

- Prepare your device for the Entune service before connecting to the internet. (See page 78.)
- The Entune service requires an internet connection to operate. The primary connection method is activated by choosing **"Connect for Internet"**.

For Apple users:

Do not use **"Connect for Internet"**. Instead connect your Apple USB Dock Connector Cable (aka charging cable) to the vehicle's USB port to access internet functions.

"Connect All": Touch to connect all supported profiles. (Applies when using an Android or BlackBerry device and cellular phone data plan)

For Apple users:

Do not use **"Connect All"**. Select **"Connect for Phone"** and **"Connect for Music"** then connect your Apple USB Dock Connector Cable (aka charging cable) to the vehicle's USB port to access internet functions.

- Once you have connected the Bluetooth® device it is automatically connected whenever the engine switch is turned to the "ACC" or "ON" position. (Select "Automatically Connect" on your cellular phone's Bluetooth® settings menu.)
- The alternate method for creating an internet connection (PAN/DUN) is shown on page 210. Please contact your phone service provider for details due to possible extra costs for this connection method.

CONNECTING FROM THE DEVICE

The system can be set to recognize a pairing request from a Bluetooth® device. The Bluetooth® device must be turned on and searching.

1 Touch **"Add New Device"**.

2 Touch **"Make This System Discoverable"**.

- When another Bluetooth® device is currently connected, a pop-up window is displayed. To disconnect it, touch **"Yes"**.

3 The following screen will be displayed.

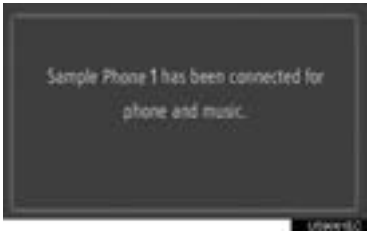
- To cancel this function, touch **"Cancel"**.
- On your Bluetooth® device, please choose the system name. (i.e. CAR MULTIMEDIA or your specified name)

4 Confirm the PIN.

- Confirm the PIN displayed on the screen, and then touch **"Accept"**.
- If the device does not support SSP (Secure Simple Pairing), input the PIN displayed on the screen into the device.

5 The following screen will be displayed when pairing is complete.

6 The system waits for connection requests coming from the paired device. Phone and music profiles are typically connected automatically.



The system will then automatically switch to the phone menu.

- Once the connection is made, the system is ready to make and receive calls.

SETTING THE PAIRED DEVICES

Devices can be disconnected and each profile connection status can be changed using the list.

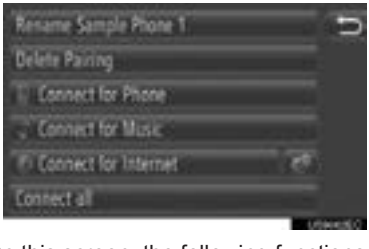
Up to 4 devices can be paired at the same time.

1 Touch **"Paired Device List"**.

2 Touch the desired device.

- The tone of the icons show which profiles the device supports. (Dimmed icons are not available.)
- The device's currently connected profiles are highlighted.

3 The following screen will be displayed.



- On this screen, the following functions can be operated.

CHANGING THE PHONE/ DEVICE NAME

The name for your phone can be changed to allow you to distinguish between phones if you have more than one paired (up to 4).

1 Touch **"Rename <<Sample Phone 1>>"**.

2 Input the new device name.

3 Touch **"OK"**.

4 The new device name is shown.

DELETING A PAIRED DEVICE

1 Touch **“Delete Pairing”**.

CONNECTING OR DISCONNECTING PROFILES

1 Touch the desired profile to be connected or disconnected.

“Connect for Phone” or **“Disconnect for Phone”**: Touch to connect or disconnect the phone profile.

“Connect for Music” or **“Disconnect for Music”**: Touch to connect or disconnect the music profile.

“Connect for Internet” or **“Disconnect for Internet”**: Touch to connect or disconnect the internet profile. (Applies when using an Android or BlackBerry device and cellular phone data plan)

For Apple users:

Do not use **“Connect for Internet”**. Instead connect your Apple USB Dock Connector Cable (aka charging cable) to the vehicle’s USB port to access internet functions.

“Connect All” or **“Disconnect All”**: Touch to connect or disconnect all supported profiles. (Applies when using an Android or BlackBerry device and cellular phone data plan)

For Apple users:

Do not use **“Connect All”**. Select **“Connect for Phone”** and **“Connect for Music”** then connect your Apple USB Dock Connector Cable (aka charging cable) to the vehicle’s USB port to access internet functions.

INFORMATION

- For details on device detection and operation of your Bluetooth® device, see the manual that comes with the Bluetooth® device.
- The music profiles the paired device supports can be connected individually as desired. Some devices do not allow individual profiles to be connected. In that case, a pop-up window is displayed.

ALTERNATE INTERNET CONNECTION METHOD (PAN/DUN)

The Entune service requires an internet connection to operate. The primary connection method is activated by touching **"Connect for Internet"** as shown on page 204.

The alternate method for creating an internet connection (PAN/DUN) is shown below. Please contact your phone service provider for details due to possible extra costs for this connection method.

1 Touch to select options.

2 Touch **"DUN/PAN Connections"**.

3 Touch **"Enable DUN/PAN Connections"** to turn on or off the DUN/PAN function.

4 Touch **"Provider"** to enter the provider details.

This section may be optional for most cellular providers.

5 Touch **"Confirm Provider Information"**.

6 Touch **"Entune Account"**.

7 Touch **“Add Entune Account”**.

8 Enter Entune user name and password.

- Enter the user name and password information here only if you are sure that you want to use the DUN/PAN connection method. Please contact your phone service provider for details due to possible extra costs for this connection method.
- The Entune service requires an internet connection to operate. The primary connection method is activated by touching the **“Connect for Internet”** as shown on page 204.
- Touch **“Remember Password”** to turn the remember user login information function on or off. When this function is activated, the entered user login information will be remembered for every user login.
- Touch **“Delete Entune Account”** to delete the account.

LAUNCHING APPS USING DUN/PAN

This screen is displayed only when making the first connection.

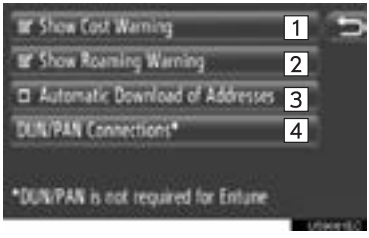
1 When an App is launched for the first time or when **“Connect for Internet”** is selected from the Bluetooth® pairing menu, a cost warning message will be displayed.

2 A popup may appear asking you to select your carrier.

SETTING OTHER OPTIONS

1 Touch to select options.

2 Touch the desired functions to be set.



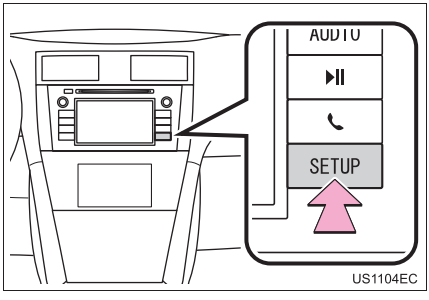
No.	Function
1	Touch to turn the show cost warning function on or off. When this function is activated, a pop-up window will be displayed before using the Entune service.
2	Touch to turn the show roaming warning function on or off. When this function is activated, a popup window will be displayed before using the Entune service.
3	Touch to turn the automatic download of addresses function on or off.
4	Touch to enable the alternate method for creating an internet connection (PAN/DUN). (See page 210.)

- When the Entune service is used, a cost warning message is shown. The Entune service uses your cellular phone's data plan. If you exceed the data available on your plan you may incur charges from your phone service provider.
- It is not recommended to use Entune when your phone is in a roaming area. Cell phone service providers typically charge extra fees for service in roaming areas. You may also experience poor or no Entune service in these areas.

5. PHONE SETTINGS

Settings are available for ringtone selection, announce incoming short message and email, and “Stored” lists.

1 Press the **“SETUP”** button.



2 Touch **“Phone”**.

3 Touch the desired items to be set.

SCREEN FOR PHONE SETTINGS

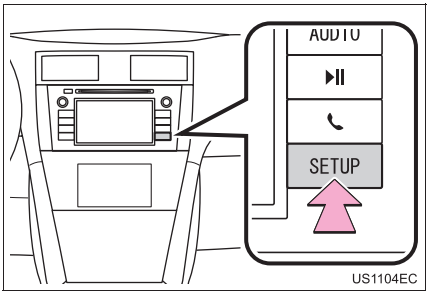
- On this screen, the following functions can be set.

No.	Function
1	Touch to select a ringtone. No ringtone, the phone’s ringtone and the system’s 4 ringtones are available for selection.
2	Touch to turn the incoming short message announcement function **“On”** or **“Off”**.
3	Touch to turn the incoming Email announcement function **“On”** or **“Off”**.
4	Touch to update the phone book of the connected phone. The updated list refers to the “Stored” list on the “My Destinations” screen and “Contacts” screen. (See pages 52 and 163.)

6. AUDIO SETTINGS

HD Radio™ system can be set using the following procedure:

1 Press the **"SETUP"** button.



2 Touch **"Audio"**.

3 Touch **"HD Radio Settings"**.

4 Select the desired setting from **"HD Radio/Analog Setting"**.

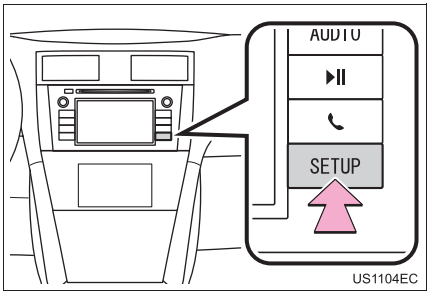
Screen button	Function
"All"	Touch to receive both analog and digital broadcasts.
"HD Only"	Touch to receive only digital broadcasts.
"Analog"	Touch to receive only analog broadcasts.

5 Touch **"Save"**.

7. VEHICLE SETTINGS*

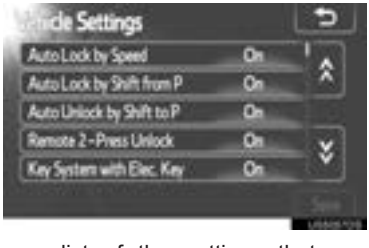
Vehicle customization settings can be changed.

1 Press the **"SETUP"** button.



2 Touch **"Vehicle"**.

3 Touch the desired items to be set.



- For a list of the settings that can be changed, refer to vehicle *"Owner's Manual"*.

4 After changing the settings, touch **"Save"**.

- A message indicating that the settings are being saved will appear. Do not perform any other operations while this message is displayed.

*: If equipped

9

REAR VIEW MONITOR SYSTEM

1 REAR VIEW MONITOR SYSTEM

1. REAR VIEW MONITOR SYSTEM OPERATION..... 218

REAR VIEW MONITOR GUIDE LINES..... 219

AREA DISPLAYED ON SCREEN..... 220

THE REAR VIEW MONITOR SYSTEM CAMERA 220

2. DRIVING PRECAUTIONS..... 222

1. REAR VIEW MONITOR SYSTEM OPERATION

The rear view monitor system assists the driver by displaying an image of the view behind the vehicle while backing up.

The image is displayed in reverse on the screen. This allows the image to appear in the same manner as that of the rear view mirror.

1 To display the rear view image on the screen, the shift lever is in the “R” position when the engine switch is in the “ON” position.

- If you move the shift lever out of the “R” position, the screen returns to the previous screen.
- If you select another function rear view monitor system will turn off.

CAUTION

- Never depend on the rear view monitor system entirely when backing up. Always make sure your intended path is clear.
  Use caution, just as you would when backing up any vehicle.
- Never back up while looking only at the screen. The image on the screen is different from actual conditions. Depicted distances between objects and flat surfaces will differ from the actual distances. If you back up while looking only at the screen, you may hit a vehicle, a person or an object. When backing up, be sure to check behind and all around the vehicle visually and with mirrors before proceeding.
- Do not use the system when the back door, trunk or tailgate is not completely closed.
- Use your own eyes to confirm the vehicle’s surroundings, as the displayed image may become faint or dark, and moving images will be distorted, or not entirely visible when the outside temperature is low. When backing up, be sure to check behind and all around the vehicle visually and with mirror before proceeding.
- Do not use the system in the following cases:
  - On icy or slick road surfaces, or in snow.
  - When using tire chains or emergency tires.
  - On an uneven road, such as a slope.

▶ With rear view monitor guide lines (if equipped)

- Always check the vehicle surrounding area, because the guide lines are ancillary lines.
- The guide lines are ancillary lines and do not change even if the steering wheel is turned.

NOTICE

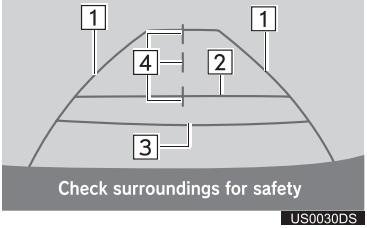
- If the back of the vehicle is hit, the position and mounting angle of the camera may change. Be sure to have the camera's position and mounting angle checked at your Toyota dealer.
- As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
- If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
- Do not strongly rub the camera lens. If the camera lens is scratched, it can not transmit a clear image.
- Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera. If this happens, wipe it off as soon as possible.
- If the tire size is changed, the area displayed on the screen may change.
- When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.

INFORMATION

- If the camera lens becomes dirty, it cannot transmit a clear image. If water droplets, snow, or mud adhere to the lens, rinse with water and wipe with a soft cloth. If the lens is extremely dirty, wash it with a mild cleanser and rinse.

REAR VIEW MONITOR GUIDE LINES (IF EQUIPPED)

Guide lines are displayed on the screen.



- Guidelines shown differ from those shown on the actual screen.

1 Vehicle width extension guide lines (blue)

- These lines indicate the estimated vehicle width extension.

2 Distance guide line (blue)

- This line indicates a position on the ground about 3 ft. (1 m) behind on the ground of the rear bumper of the vehicle.

3 Distance guide line (red)

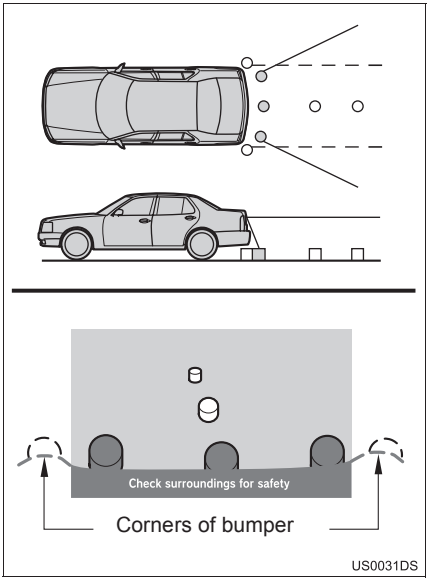
- This line indicates a position on the ground about 1.5 ft. (0.5 m) behind on the ground of the rear bumper of the vehicle.

4 Vehicle center guide lines (blue)

- These lines indicate the estimated vehicle center on the ground.

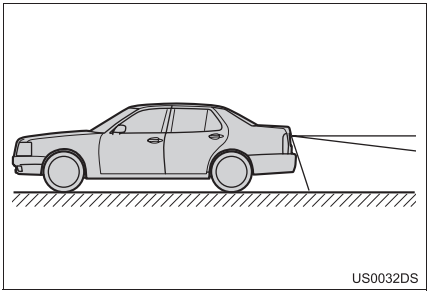
AREA DISPLAYED ON SCREEN

Image is displayed approximately level on screen.



INFORMATION

- The area detected by the camera is limited. The camera does not detect objects which are close to either corner of the bumper or under the bumper.

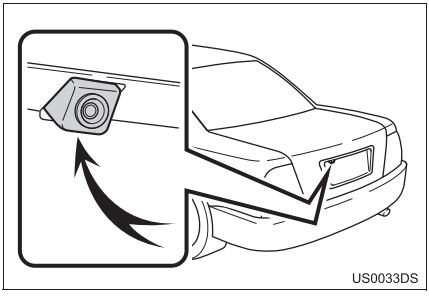


INFORMATION

- The area displayed on the screen may vary according to vehicle orientation or road conditions.

THE REAR VIEW MONITOR SYSTEM CAMERA

The rear view monitor system camera is located as shown in the illustration.

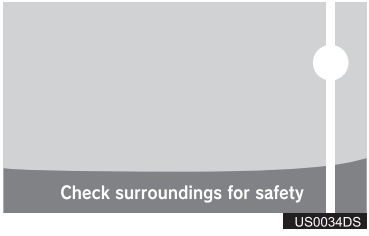


- The actual camera location may differ depending on the vehicle. For details, refer to vehicle *"Owner's Manual"*.

INFORMATION

- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- In the following cases, it may become difficult to see the images on the screen, even when the system is functioning.
  - In the dark (for example, at night)
  - When the temperature near the lens is high or low
  - When water droplets are adhering to the camera, or when humidity is high (for example, when it rains)
  - When foreign matter (for example, snow or mud) is adhering to the camera
  - When the camera has scratches or dirt on it
  - When the sun or the beam of headlights is shining directly into the camera lens
- When the camera is used under fluorescent lights, sodium lights, or mercury lights etc., the lights and the illuminated areas may appear to flicker.

▶On some models

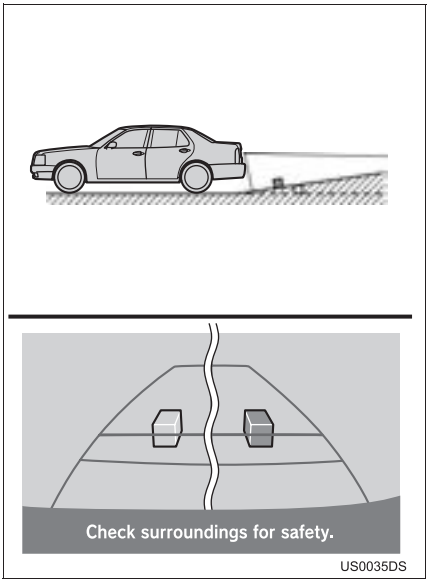


If a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera, the smear effect* peculiar to the camera may occur.

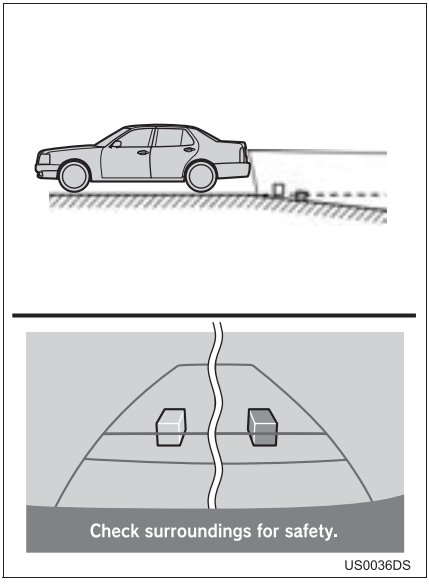
*: Smear effect — A phenomenon that occurs when a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera; when transmitted by the camera, the light source appears to have a vertical streak above and below it.

2. DRIVING PRECAUTIONS (WITH REAR VIEW MONITOR GUIDE LINES)

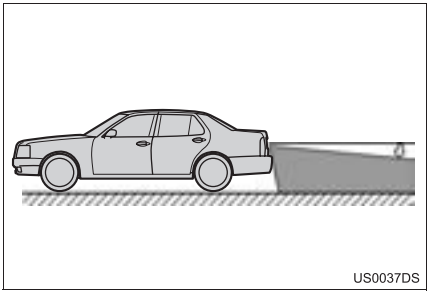
In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



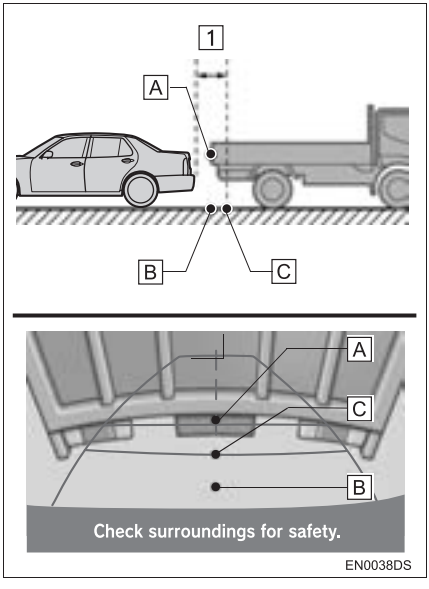
- When the grade behind the vehicle slopes up sharply, objects appear to be farther away than they actually are.



- When the grade behind the vehicle slopes down sharply, objects appear to be closer than they actually are.



- When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



1 Approx. 1.5 ft. (0.5 m)

The distance that appears on the screen between three-dimensional objects (such as vehicles) and flat surfaces (such as the road) and the actual distance differ as follows.

- In reality, A = B < C (A and B are equally far away; C is farther than A and B). However, on the screen, the situation appears to be B < C < A.
- On the screen, it appears that a truck is parking approximately 1.5 ft. (0.5 m) away. However, in reality if you back up to point B, you will hit the truck.

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